Aspire Company Profile

Aspire Systems is a fast-growing outsourced product development firm focused on helping software companies create innovative products for the next generation. Aspire has hundreds of man-years of experience working as an engineering partner for a number of software companies. product development team is spread between its Global Innovation Center in Chennai, India, and offices in the United States. Aspire understands and is committed to meeting the unique and complex needs of software product companies.

Aspire's niche focus has enabled us to record an annualized growth of over 100% for the past three years. Today, Aspire stands as an obvious choice for software product companies who want to harness the dual power of outsourcing and offshoring. Aspire facilitates rapid time-to-market at lower development costs by providing comprehensive services in the areas of product development, advancement, testing, implementation and maintenance.

For more details visit www.aspiresys.com

1. Written Test

2. Technical Intrvw

3. Technical Intrvw (2nd) (We have to write the programs)

4. HR

As I appeared around 2 months back I cant recollect the Written Paper.

1st TECHNICAL

1. Byte code Concept in JAVA

2. Program to find the second smallest number in an
array

3. Program to find whether the 2nd bit iis 1 or 0 for a given decimal number

4. Pointers in JAVA

5. Some Qstns in Networking, DBMS, OS

2nd TECHNICAL

Here we have to write the programs

1. Program to compare two strings (eg:- str1= Their   str2= Their then we have to compare single character for the first tinme and two charaters next time and three and soo onn)

2. if d=8 then your input has 8 digits but you donno where the decimal has.. you have to find the number before the decimal point. (you should not use string, or predefined fun)

HR

its just a formal

Hi friends,

I attended & got through the interview by Aspire .

Round - 1:

Aptitude.. Mainly on boats & streams, Time & distance, age, alligations etc Go through R.S. Agarwal . Thats enough

Round - 2: (Tech - I)

You will be given few puzzles to solve on the spot by the Interviewer & also u'll be asked to write simple C programs like

- biggest of 3 or 4 numbers.
- Fibonacci series
- find if a number is even without using %
- sum of given 'n' digit number
- print a given number in reverse order , etc

Round - 3 (Tech - II)

No.of .candidates will be filtered here. U will be asked to write a complex

C program. Ur application ability will be tested here. Must be thorough in

"C" to clear this round. Programs like

- Printing a given sentence without spaces given.

- program to control movements of a robot

- Sorting like bubble sort, heap sort etc

Also questions on basics of "c", C++, Java were asked

Round- 4 (HR Interview)

It took about 45 min.. HR asked about myself ,about the company , reason 4 choosing aspire etc.

This round is to evaluate your attitude. (No technical questions here). Be positive , confident and prepare urself for the HR round too. B'Coz answering on the spot without preparation will not always help u.

** ALL THE BEST**

October 2007 Paper

In written test

Totally 55 questions. There were 4 sections

Section 1 Verbal(15 questions)

english passage was given. Some questions were related to that passage.

Those who have good communication skill can easily answer this section.

Section 2 Logical(15 questions)

1. Question related to data Analysis

jobs	Men	Women
IT	1,34,000	1,20,567
Engineer	2,45,984	1,45,000
Doctors	45,000	24,000
,,	,,	,,
Unemployed	3,45,000	4,89,000

Total   .,,   ,,

 2. IF The percentage of women in IT increases by 10% per year. What will be percentage of women in IT after 3 years.

3. What is the percentage of women in IT?

4. Another logical questions

5. No apples are oranges. All bananas are Oranges.

6. Some green are blue, No blue or white.

7. 1, 3, 7, 9, 19, ?

8 to 10 -> some diagrams were given, when have to find the next appropriate fig

Section 3 Aptitude(15 questions)

This section is little bit tough. go through R.S Agarwal

11. What will be the remainder if   91+92+93+94+................+99 is divided by 6?

12. A trader buy a chair for rs.600 and sells it for rs. 765 at credit of 4 months. Reckoning money worth 6%p.a., his gain is ?

Section 4 is Technical

10 questions in C (technical)

```
1. #define dprintf(expr) printf(#expr="%d",exp);
 main()
{int x=7, y=3;
 dprintf(x/y);}
```

```
2. int i=-1,j=-1,k=0,l=2,m;
   m=i++&&j++&&k++||l++;
   printf("%d,%d,%d,%d,i,j,k,l,m);
```

```
3.struct s
  {int x, float y}s1={24,45.0};
  union u
   { int x, float y} u1=(union u)s1;
  printf("%d,%f,u1.x,u1.y);
```

4.#define var(a,b) (a*b)/(a-b)

```
main()
 {
     int a=20, b=10,c
     c=var(a+4,b-2);
     printf("%d",c)
 }
```

5. char *g()
```
 {
         static char x[1000];
           return x;
 }
 main()
  {
       char *g1="string one";
       strcpy(g(),g1);
       g1=g();
       strcpy(g1,"string two");
       printf("%s",g());---->i don't remeber that here g(), g1,prepare both
  }
```

6. int k=5;
```
    if(++k<5&&k++5...........); -->here there was a semicolon after if
statement, So careful
    printf("%d",k);
```

7.
```
#define var(a,f,g,)

#define ...........

#define .............

'' ''

'' ''

main()
    {
            #if def cat

                printf("cat");

            #else

                printf("tiger");}
```

January 2006 Paper

Three programs and Five Oops questions. Because i was mentioned, my area of interest in OOPs. So clear in mind that. Company will ask you what you put in your resume.

Programs

1.Print the pascal triangle. (In that they ask how you adjust the spaces when the value n varies) (I couldnt get clearly what they want)

2.Swap three variables without using fourth variable (I done it)

3. Find the sub-array of the given array which will the maximum sum series.

Questions

1) What is encapsulation

2) How we provide security to the class members.

3) What is difference between abstract class and interface

4) What is virtual function

5) What is the difference between Object Based Language and Object Oriented Language

6) Why C++ is not purely Object Oriented Language

I answered all questions except third.

Best of Luck to all .....

July 2005 Paper

Totally 45 questions. (Aptitude, verbal, logical)

30 mins for 10 questions in C (technical)

Technical is only C

Verbal is meaning, opposite, paragraph and questions, similar meanings

Aptitude is full of RS Agarwal

I think 25 quesions was in aptitude and 10 in logical, 10 in verbal (not sure)
one age question, one pipes question, one profit and loss, one time and distance,
one area, one train, etc., try to concentrate on
RS Agarwal book.

See the Pythagoras theorem also...

27 OCT 2007 Paper

In written test totally 55 questions. There were 4 sections

Section 1 Verbal (15 questions)

English passage was given. Some questions were related to that passage. Those who have good communication skill can easily answer this section.

Section 2 Logical (15 questions)

1.

jobs	Men	Women
IT	1,34,000	1,20,567
Engineer	2,45,984	1,45,000
Doctors	45,000	24,000
''	''	''
Unemployed	3,45,000	4,89,000
Total	.,,	,,

2. IF The percentage of women in IT increases by 10% per year. What will be percentage of women in IT after 3 years.

3. What is the percentage of women in IT?

4. Another logical questions

5. No apples are oranges. All bananas are Oranges.

6. All pens are elephant, Some elephants are cat

7. Some green are blue, No blue or white.

8. 1, 3, 7, 9, 19, ?

9. 1, 4, 27, 256, ?

10 to 20 -> some diagrams were given, when have to find the next appropriate fig

Section 3 Aptitude (15 questions)

This section is little bit tough. go through R.S Agarwal

21. What will be the remainder if 91+92+93+94+................+99 is divided by 6?

22. A trader buy a chair for rs.600 and sells it for rs. 765 at credit of 4 months. Reckoning money worth 6%p.a., his gain is ?
i don't remeber further questions in apt

Section 4 is Technical

10 questions in C (technical)

1. #define dprintf(expr) printf(#expr="%d",exp);
main()
{int x=7, y=3;
dprintf(x/y);}

2. int i=-1,j=-1,k=0,l=2,m;
   m=i++&&j++&&k++||l++;
   printf("%d,%d,%d,%d,i,j,k,l,m);

3.struct s
  {int x, float y}s1={24,45.0};
  union u
   { int x, float y} u1=(union u)s1;
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4.#define var(a,b) (a*b)/(a-b)
  main()
  {
       int a=20, b=10,c
       c=var(a+4,b-2);
       printf("%d",c)
   }

5.
```c
char *g()
  {
        static char x[1000];
          return x;
  }
main()
  {
      char *g1="string one";
      strcpy(g(),g1);
      g1=g();
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      printf("%s",g());----->i don't remeber that here g(), g1,prepare both
  }
```

6.
```c
    int k=5;
    if(++k<5&&k++5....); -->here there was a semicolon after if statement,
```
So careful
```c
    printf("%d",k);
```

7.
```c
#define var(a,f,g,)
#define ......
#define ......
,, ,,
,, ,,
main()
  {
      #if def cat
          printf("cat");
      #else
          printf("tiger");
  }
```

APR 2010 Paper

The interview consists of four rounds.

Round I: Written Test (60 Questions, 1 hour, No negative mark)

The written test is divided into 4 sections:

1. Analytical Ability (16 Questions).

2. Quantitative Aptitude (16 Questions).

3. Verbal Ability (16 Questions).

4. Technical (12 Questions).

1. Analytical Ability:

I just give you the questions I remember. First question is of reasoning type. A set of statements were given and five questions were asked from the information inferred from the statements. Then three questions from Analogy of figures. Then some questions from number series completion, Find the odd man out and syllogisms.

2. Quantitative Aptitude:

One question is on Age.

• Q: Steven had a son. His son was born five years after Steven's marriage. His son dead four years ahead of him. When Steven died his son's age was half of his age. Steven spent 1/7th of his life as in childhood, 1/6th of his life as adult and 1/12th as bachelor. What is the age of Steven when he died?
Ans: 84

• One question is on mixture.

• Q: 20 litres of a mixture contains milk and water in the ratio 3:2. 10 litres of the mixture was removed and replaced with pure milk. Then the

procedure was repeated once. At the end of two replacements what is the ratio of milk & water? **Ans:** 9:1

• One question is on ratio- The ratio of A: B and B: C was given and the ratio of A: B: C was asked.

• In a zoo when the zoo-keeper counted the number of heads he found it to be 80. But when he counted the number of legs he found it to be 260.The zoo contained either horse or pigeon. The numbers of horses in the zoo was? **Ans:** 50

● Nine people went to a hotel. 8 people paid 12rs each of them and the ninth paid 8rs more than the average of all the nine people. The total amount paid by them was?
 Ans: 117

• One question is on time and distance.

• Q: A man when he travels at 3 kmph he reaches the station 2 mins late. However when he travels at 4 kmph he reaches 2 mins quick. Find the distance the man has to travel? **Ans**: 4/5 km

• Four expressions involving X and Y was given and asked to find which of the expressions are exactly equal.

• The expression 7(2n)-3(3n) is always a multiple of _____. I think the answer is 5 but that option was not given. This may be a dummy question.

• The diagonal of a rectangle was given and said that the diagonal is twice the length of one of the sides. What is the area of the rectangle?

3. Verbal Ability:

• A paragraph with five blanks has been given. For each blank there will be four options. You have to choose the correct one. The paragraph given was so simple. Don't miss this.

• One reading was given and five questions were asked from that.

• Three questions on alphabetical series completion.

• One graph was given about profit & loss of three companies and three questions were asked from that.

• One figure was given with four cogged wheels and asked to find out which wheel will rotate fast.

4. Technical:

In this section most questions were based in C++ and few in C. A small program was given and asked to find out error or output.

Round II: Technical-I

You should be thorough in C and OOPs concept in C++ to clear this round. Out of 144 selected

In written most were eliminated in this round. In this round basic programming knowledge was tested. We were asked about OOPs concept and asked to write some simple programs in C & C++.

Round III: Technical-II

Those short listed in Tech-I was asked to attend Tech-II. In this round we were asked to write some complex programs. They said they are not looking for correct answer. They will be checking the approach to the program i.e. how you apply the logic. Better not to write the program in an ordinary way…..apply different logic.

I will give you few programs that were asked.

1. Program to multiply 2 numbers without using multiplication symbol. (Hint: add first number the number of times the second number)

2. Program to truncate a given floating point value (e.g.16.25=16). You should not assign the float value to integer & then copy the int value to float….apply different logic.

3. Program to remove duplicate elements in an array… (Hint: Duplicate elements are the elements in the array which are repeated. i.e. all the elements in the array should be different).

4. Be thorough in Pascal triangle program. You may be asked to print something in that triangle structure.

5. Program to reverse a string using pointers.

6. Program to swap two numbers without using assignment operator in any part of the program.

7. Program to round-off a given floating point value.

8. Program to find whether the given number or string is palindrome.

9. Program to find the position of decimal point in a given floating point value.

10. Program to find the factorial of a number using recursive function.

11. Program to find whether the given number is a Armstrong number.

12. Program to find the reverse of a given number.

13. Program for matrix multiplication.

14. Program to find the number of words in a sentence.

15. Program to find the sum of digits of a given number until the sum becomes a single digit. (e.g. 12345=>1+2+3+4+5=15=>1+5=6)

Round IV: HR

This is just a formal round. In this round basic HR questions like,

Introduce yourself.

Which is your dream company?

What is your career goal?

Who is your role model?

What you think that you have achieved?

If you have three offers on what basis you will select the offer?

Be confident. Don't be nervous. Have a prepared answer for questions like this.