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### Tcs Interview Questions And PlacementPaper

 November 18, 2010 [Category : Academics](#)

#### About TCS

TCS is the India's largest IT services provider, as well as Asia's largest independent software and services organization. TCS has service clients in all over 50 countries across continents and it has 100 branches globally with total company worth of around \$10 billion.

TCS Placement Paper:

TCS Placement Papers will have three sections:

- 1) Verbal
- 2) Quantitative Aptitude
- 3) Critical Reasoning.

Verbal questions would test basic English grammar and usage, parts of speech, synonyms, antonyms etc. Quantitative aptitude questions would be from basic mathematics concepts. Critical and logical reasoning require no preparation but good presence of mind. Overall, TCS questions are on the easier side.

#### Question:

Consider the expression  $(a + (b * y (d + e)))$ . Which operation would be performed first?

Choose one:

- d + e  
 b \* y  
 a + (b \* y)

#### Question:

A vegetable vendor has few 2 Kg weights and 3 kg weights. No of weights he has is 30. If all the weights added sum to 80 Kg, how many 2 Kg weights he has?

#### Ans:

10

#### Solution:

Let x be the number of 2 Kg weights.

Let y be the number of 3 Kg weights.

Total number of weights = 30

Therefore  $x + y = 30 \rightarrow 1$

Sum of weights = 80 Kg.

Therefore  $2x + 3y = 80 \rightarrow 2$

Multiply equation 1 by 3 on both sides

$3x + 3y = 90 \rightarrow 3$

Subtracting equation 2 from equation 3 we get  $x = 10$ .

Hence the number of 2 Kg weights he has is 10

#### Question:

If 200 dollars are shared among John, David and Stella in the ration 2:3:5 what would be the share of John.

#### Ans:40

Solution:

Share of John =  $(2 / 2 + 3 + 5) * 200 = (2 / 10) * 200 = 40$  dollars.

#### Question:

What percentage of 50 is 24?

Ans:48%

Solution:

$24/50 * 100 = 48\%$ .

#### Question:

What is the default statement terminator in C, C++ and JAVA?

#### About Author


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Correct Answer:  
Semicolon

**Question:**

Consider the expression  $(a + (b * y (d + e)))$ . Which operation would be performed first?

**Response:**

- d + e
- b \* y
- a + (b \* y)

**Below are few basic questions that can be expected on TCS interviews. These are not hard to answer but a good preparation is necessary so that you don't miss any.**

**Interview Question 1:**

1) What is the prime difference between while and Do While Loop?

**Answer:**

Though while and do-while are loop statements, in Do While it is assured that the statements within the loop will be executed at least once (even if the condition fails.)

**Interview Question 2:**

2) What is the difference between  $a = ++b$  and  $a = b++$ ?

**Answer:**

The first statement  $a = ++b$  can be broken down into two statements  $b = b + 1$  followed by  $a = b$ . Hence b will be incremented first and will be assigned to a. Hence values of a and b will be same at the end.

The second statement  $a = b++$  can be broken down into two statements  $a = b$  followed by  $b = b + 1$ . Hence b will be assigned to a. Only after this assignment b will be incremented. Hence values of a and b will be different at the end.

**Interview Question 3:**

3) A C program is compiled into native (binary) code by the compiler. Similarly what will be generated out of JAVA program source by JAVA compiler?

**Answer:**

JAVA program will get compiled into byte code instead of native (binary) code.

**Interview Question 4:**

Practice Question For Your Thought :

Given a for statement `for(i = 1; i < 10; i++)`

```
{
printf("hello");
}
```

Now you can try by yourself rewriting the same logic using while statement.

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