

Adobe Company Profile

Adobe revolutionizes how the world engages with ideas and information. For 25 years, the company's award-winning software and technologies have redefined business, entertainment, and personal communications by setting new standards for producing and delivering content that engages people virtually anywhere at any time. From rich images in print, video, and film to dynamic digital content for a variety of media, the impact of Adobe solutions is evident across industries and felt by anyone who creates, views, and interacts with information. With a reputation for excellence and a portfolio of many of the most respected and recognizable software brands, Adobe is one of the world's largest and most diversified software companies.

History of Innovation

Adobe founders Chuck Geschke and John Warnock shared a vision for publishing and graphic arts that would forever change how people create and engage with information. The two men met in the late 1970s while working at the renowned Xerox Palo Alto Research Center (PARC), where they researched device-independent graphic systems and printing. Excited by the potential of their work to reshape computing, Geschke and Warnock eventually realized that the only way to take their ideas from the lab to the burgeoning technology market would be to create their own company.

In 1982, they founded Adobe Systems Incorporated on a simple premise: how could text and images on a computer screen translate beautifully and accurately into print? A year later, they helped launch the desktop publishing revolution by introducing Adobe® PostScript® technology, providing a radical new approach to printing text and images on paper. For the first time, a computer file could be printed exactly as it appeared on screen, with all formatting, graphics and fonts intact. Adobe PostScript was licensed to printer manufacturers worldwide and delivered unprecedented cost savings and productivity enhancements. It continues to be a core technology on printers today. In September 1999 Adobe reported record revenues of \$260.9 million for the third quarter.

Founded

December 1982 by Charles Geschke and John Warnock

Statistics:

Public Company

Incorporated: 1983

Employees: 2,800

Sales: \$1.02 billion (1999)

Stock Exchanges: NASDAQ

Ticker Symbol: ADBE

NAIC: 51121 Software Publishers; 334611 Software Reproducing; 541511 Custom Computer Programming Services

Corporate headquarters

Adobe Systems Incorporated
345 Park Avenue
San Jose, CA 95110-2704

India offices

Research and Development Pvt. Ltd.
Salarpuria Infinity, 3rd Floor
#5, Bannerghatta Road
Bangalore-560029
India

518/519, Midas, Sahar
Plaza Complex,
Andheri(E), Mumbai-
400059
India

ADOBE PATTERN - MAY 2006

There were four sections:

1. Aptitude: They had fairly simple arithmetic question, questions on geometry and questions like whether information can be deduced from the comments given. It was fairly easy and jst u needs to have basic clear.

2. Analytical: Questions like pattern matching, odd one out were there.

Be careful while attempting these two sections that u won't be having much time. Before u knows the time is over.

3. Computers: This paper is mostly from the topics u cover in B.Tech. there was one question on finite automata, Bit manipultaion(flipping the bits), Drawing the tree given preorder and inorder traversal, finding the formula for N-ary tree to fine number of external nodes.

4. C/Java: Here u had to write C programs (Mind u no mutiple questions). There was one question to write program to search a string from bigger string, write a algorithm to compute X^n which is of complexity $\log n$, implement atoi function. (U cannot use any standard function in these.)

ADOBE PAPER ON 25th FEBRUARY

I have given the test on 25 February for the Developer. This was for the experienced people 1 year. We had to give two tests of Engineering and C or Java.

Both of the paper has 10 questions and 10 marks for each test. And each test is for 45 minutes.

C Paper:

1. What is the difference between Char a[]="string" and char *a="String"
2. What is wrong with the code? The code was for conversion from Celsius to Fahrenheit
 $\text{degF} = 5/9 * (c + 32)$

In code this line was wrong as we want 5/9 and that to be multiplied with bracket result. But here 9 will be first multiplied with bracket result.

3. What are Data breakpoints? Give two scenarios where we make the use of this
4. What do you mean by Bit fields? Give example
5. Write the function for changing a number from hexadecimal to integer htoi(s)
6. Compare two binary trees they are same or not.
7. You have N computers and [Ca, Cb] means a is connected to b and this connectivity is symmetric and transitive. then write a program which checks that all computers are interconnected and talk to each other
8. WAP to find Depth of tree program. We were given the structure of the node using that we need to write the code.
9. In binary search we have two comparisons one for greater than and other for less than the mid value. Optimize so that we need to check only once
10. Question was some what like we need to write the function so that we get the two dimensional array and memory is assigned to it using malloc function. Don't remember the question exactly. But this was the only question in proper language

Engineering Paper:

I remember only 5 questions in this. As this was taken first

1. Binary search Tree was given. Find 4th smallest element.
2. Some code in assembly was given and given five options. What is being calculated?
Ans (XY) $2 + Y + Z$
3. Represent $(-5)_{10}$ in 2's complement representation in 8 bits
4. Expression was given. Draw tree and then find the postfix

Some commands in the assembly language were given. Then need to convert this code in assembly

```
A=300;
```

```
For (i=0 ; i<=10 ; i++)
```

```
A=A+200;
```

28 September 2010

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C test:

Q1) Linked list using recursion.

Q2) Find if a number is divisible by 3, without using %, / or *. You can use atoi().

Q3) 2 integers A and B are given, find the no of bits that need to be flipped in A to get B.
(xor a and b and count the number of bits)

Q4) Write a Rotate function for rotating elements in an array, using a reverse function.

Q5) Given 2 sorted arrays A and B with duplicate elements, get C= A -B and does not have duplicates (use a variation of merging 2 arrays and then remove the duplicates.)

Q6) some routines to swap int pointers.

Q7) Subtraction of 2 base 13 numbers.

Q8) Min and max nodes of a quad tree.

Q9) Prove that in a tree no of internal nodes is one less than leaves.

Q10) A couple of boolean logic proofs

Q11) Code to see if a binary tree is a BST or not.

Q12) Switch case program out put?

Engineering test:

Most of it had algorithms (no code)

Q1) given an array with some repeating numbers. Like 12, 6,5,12,6

Output: 12,12,6,6,5,12 should come before 6 since it is earlier in list. So can't use a dictionary.

Q2) Implement a dictionary manually with a lil overhead.

Q3) Finding nth element from end in a list

Q4) Inserting an element into a sorted linked list.