
Agile Software Corporation Placement Paper

About company:

It is a small mnc with total no. of employees 600 worldwide and with 60 members in Bangalore. their clients are 1250 in number. they give solutions for improving product lifecycle. Agile PLM solution is their trade name. they are offering a salary of 2.5lakh per annum with stock options in addition. they give good importance to good academics. the interview is only personal and most simple for high percentage getters. this company name is not in the cmm level 5 list. the test contains 60qns Duration: 1hr.

30 qns from c++ ,30 qns from java. the qns are objective type may have more than one ans

java:

(1) find out three keywords

- (a) synchronized
- (b) implement
- (c) throws

etc

(2) which are not keywords

- (a) NULL
- (b) synchronize

etc

(3) two to three questions on legal array declaration

- (a) `int a[][] = new int[3][3];`
- (b) `int[] a[] = new int[3][3];`
- (c) `int a[3][4] = new int[3][4];` wrong
- (d) `int[3][4] a = new int[3][4];` wrong
- (e) `int a[][] = new int[3][4];`

(4) `++i++ + j` is equivalent to

- (a) `i + j + 1`
- (b) `i + j + 2`
- (c) `i + j`
- (d) can't be compiled (correct)

(5) the content of the array after execution of following statement: `int a[][] = new int[3][3];`

- (a) all elements contain zeroes

(6) find legal statements

- (a) `int a = 30;`

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- (b)float f= 1.4; (error)
 - (c)double d= 34.5;
 - (d)byte b= 128; (error)

(7)find illegal statements

- (a)int i= '2';
- (b)char a= 12;

(8)some 5 qns on collection interfaces

(9)to find the length of array

- (a)arr.length-1
- (b)arr.length(correct)
- (c)arr.length()

(10)write code for accessing array length without assigning it to another variable

(11)recursion is

- (a)any function which refer itself

(12)the sorting method which don't generally use recursion

- (a)heap sort
- (b)bubble sort(ans)
- (c)quick sort
- (d)bubble sort

(13)one qn regarding abstract

(14)some 2 qns on hash table

C++ :

(1)the difference b/w pure virtual fn.& virtual fn.

- (a)pure virtual fn. is initialized to zero.
- (b)

(2)virtual destructors are used for

- (a)

(3)find legal statement

- (a)cout<<>> "name"<<>> endl;
- (b)cout<<&& "name"<<
- (c)cout<<&& "name"<&

(4)find the o/p of the program

```
void main()
{
int a= 10;b;
if(a<= 10)
b= 4;
if(a> 10)
b= 5;
cout<<endl;
}
```

(a) it don't be compiled

(b) it compiles and o/p is 10 4(ans)

(5) a qn on copying or assigning

(6) early or static binding means

(a) at runtime

(b) at compiletime(ans)

(7) one qn on global variables, one qn on globally declared static variable

(8) two qns on "vector" type

(9) the branch of a tree which has no child is called

(10) when a node c is inserting b/w nodes a and b how many pointer will be modified

(a) 2(check)