Amazon Latest Question Paper

1. Two tables emp(empid,name,deptid,sal) and dept(deptid,deptname) are there.write a query which displays empname,corresponding deptname also display those employee names who do not belong to any dept.

2. Write prefix and post fix notation for (a+b)*c-(d+e)^(f-g)

3. write program to swap 2 variables without using extra memory.

4. Find the output for the following C program fn f(x)

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{
if(x<=0)
return;
else f(x-1)+x;
}
```

5. Find the output for the following C program main()

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{
   intx=2,y=6,z=6;
   x=y=z;
   printf(%d",x)
}
```

6. Copy a file from one host "amazon.chennai" to another host "amazon.bbsr"

7. You want to find out the value of the last element of an array. You write the following code. What will happen when you compile and run it.?

```
public class MyAr{
public static void main(String argv[]){
int[] i = new int[5];
System.out.println(i[5]);
}
}
```

1) An error at compile time

2) An error at run time

3) The value 0 will be output

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8. . Find the second largest element in an array with minimum no of comparisons and give the minimum no of comparisons needed on an array of size N to do the same.

9. Write a program to remove duplicates from a sorted array.

10. In C, if you pass an array as an argument to a function, what actually gets passed?

A. Value of elements in array

B. First element of the array

C. Base address of the array

D. Address of the last element of array

Ans-C

11. What will be the output of the program ?

A. 2, 3, 4, 5 B. 1, 2, 3, 4

C. 0, 1, 2, 3 D. 3, 2, 1 0

Ans-B

12. What will be the output of the program if the array begins 1200 in memory?

A. 1200, 1202, 1204 B. 1200, 1200, 1200

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Ans-B

13. Which of the following statements are correct about an array?

1: The array int num[26]; can store 26 elements.

2: The expression num[1] designates the very first element in the array.

3: It is necessary to initialize the array at the time of declaration.

4: The declaration num[SIZE] is allowed if SIZE is a macro.

A. 1   B. 1,4

C. 2,3   D. 2,4

Ans-B

14. Which of the following function is used to find the first occurrence of a given string in another string?

A. strchr()   B. strrchr()

C. strstr()   D. strnset()

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15. Which of the following function is correct that finds the length of a string?

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16. What will be the output of the program in 16-bit platform (Turbo C under DOS) ?

A. 8, 1, 4   B. 4, 2, 8

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17. Which of the following statements are correct ?

1: A string is a collection of characters terminated by '\0'.

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A. A, B   B. A, B, C

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Ans-B

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19. Point out the error in the program?

A. Error: invalid structure member

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20. What is the similarity between a structure, union and enumeration?

A. All of them let you define new values

B. All of them let you define new data types

C. All of them let you define new pointers

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21. What will be the output of the program ?

```c
#include<stdio.h>
int main()
{
        enum days {MON=-1, TUE, WED=6, THU, FRI, SAT};
        printf("%d, %d, %d, %d, %d, %d\n", MON, TUE, WED, THU, FRI, SAT);
        return 0;
}
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A. -1, 0, 1, 2, 3, 4   B. -1, 2, 6, 3, 4, 5

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Ans-D

22. What will be the output of the program ?

A. 103 Dotnet B. 102 Java

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23. In which stage the following code

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#include<stdio.h>
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gets replaced by the contents of the file stdio.h

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25. What are the different types of real data type in C ?

A. float, double   B. short int, double, long int

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26. Which statement will you add in the following program to work it correctly?

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27. What do the following declaration signify?

int *ptr[30];

A. ptr is a pointer to an array of 30 integer pointers.

B. ptr is a array of 30 pointers to integers.

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28. What is x in the following program?

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29. In the following code snippet can we declare a new typedef named ptr even though struct employee has not been completely declared while using typedef?

A. Yes B. No

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APTITUDE

Predict the output or error(s) for the following:

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error g1;

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Ans- Compiler error: Multiple declaration for error

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Ans-

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