C PROGRAMMING

TOPICS

C PROGRAMMING QUESTIONS AND ANSWERS

1   What is the output of the program given below ?

```c
#include
int main()
{
    enum status { pass, fail, atkt};
    enum status stud1, stud2, stud3;
    stud1 = pass;
    stud2 = atkt;
    stud3 = fail;
    printf("%d, %d, %d\n", stud1, stud2, stud3);
    return 0;
}
```

A	0, 1, 2	B	1, 2, 3
C	0, 2, 1	D	1, 3, 2

View answer   Report

will be the output of the program in 16 bit
rm (Turbo C under DOS)?

```
lude
main()

extern int i;
i = 20;
printf( %d\n", sizeof(i));
return 0;
```

2	**B**	4
	D	
y from compiler		Linker Error : Undefined symbol 'i'

v answer   Report

:h of the following statements should be
l to obtain a remainder after dividing 3.14
.1 ?

A	**B**
rem = 3.14 % 2.1;	rem = modf(3.14, 2.1);
C	**D**
rem = fmod(3.14, 2.1);	Remainder cannot be obtain in floating point division.

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4   What are the types of linkages?

A	**B**
Internal and External	External and None
C	
External, Internal and None	**D** Internal

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5   Which of the following special symbol allowed in a variable name?

A	* (asterisk)	B		(pipeline)
C	- (hyphen)	D	_ (underscore)

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6   Which of the following is not user defined data type?

```
     struct book
     {
1 :      char name[10];
         float price;
         int pages;
     };
```

```
2 : long int l = 2.35;
```

```
3 : enum day {Sun, Mon, Tue, Wed};
```

A	1	B	2
C	3	D	1 & 2

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7   What is the output of the program?

```
#include
int main()
{
    int x = 10, y = 20, z = 5, i;
    i = x < y < z;
    printf("%d\n", i);
    return 0;
}
```

A	0	B	1
C	Error	D	No Error

8   What is the output of the program?

```
#include
int main()
{
    extern int fun(float);
    int a;
    a = fun(3.14);
    printf("%d\n", a);
    return 0;
}
int fun(int aa)
{
    return (int)++aa;
}
```

A	0	B	3
C	4	D	Compile Error

9   What is the output of the program?

```
#include
int main()
{
   int a[5] = {2, 3};
   printf("%d, %d, %d\n", a[2], a[3], a[4]);
   return 0;
}
```

A	Garbage Values	B	2, 3, 3
C	3, 2, 2	D	0, 0, 0

10   In the following program how long will the for loop get executed?

```
#include
int main()
{
   int i=5;
   for(;scanf("%s", &i); printf("%d\n", i));
   return 0;
}
```

A	B
The for loop would not get executed at all	The for loop would get executed only once
C	D
The for loop would get executed 5 times	The *for* loop would get executed infinite times

View answer   Report

11

What will be output of the following?

```
#include<stdio.h>
int main()
{
    float a=0.7;
    if(a < 0.7)
        printf("Cn");
    else
        printf("C++n");
    return 0;
}
```

A	C	B	C++
C	Error	D	None of these

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12 A float occupies 4 bytes. if the hexadecimal equivalent of each of these bytes is A,B,C and D, then when this float is stored in memory,

these bytes get stored in the order

A	ABCD	B	DCBA
C	0xABCD	D	0xDCBA

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13   We want to round off x, a float to an int value.
The correct way to do so would be

A			
y=(int)(x+0.5)	B	y=int(x+0.5)	
	D		
C y=(int)x+0.5	y=(int)(x+0.5)		

View answer   Report

14   What will be output of the program ?

```
#include<stdio.h>
#include<math.h>
int main()
{
    printf("%d, %d, %dn", sizeof(3.14f), sizeof(3.14), sizeof(3.14l));
    return 0;
}
```

A	4, 4, 4	B	4, 8, 8
C	4, 8, 10	D	4, 8, 12

View answer   Report

15   By default any real number is treated as :

A	a float	B	a double

		D	depends on the memory model that you are using
C	a long double		

View answer   Report

16   What will be output of the following ?

```
#include<stdio.h>
#include<math.h>
int main()
{
    printf("%fn", sqrt(36.0));
    return 0;
}
```

A	6.0	B	6
		D	
C	6.0000		Some absurd result

View answer   Report

17   Binary equivalent of 5.375 is

A			
	101.101110111	B	101.011
C	101011	D	none of these

View answer   Report

18   Which error you are likely to get when you run the following program?

```
#include<stdio.h>
main()
{
```

```
struct emp
{
  char name[20];
  float sal;
}
struct emp e[10];
int i;
for(i=0;i<=9;i++)
scanf("%s, %f",e[i].name,&e[i].sal);
return 0;
}
```

A	B
suspecious pointer conversion	Floating point formats not linked

C	D
Cannot use scanf for strutures	Strings cannot be nested inside structures

View answer   Report

19 If the binary equivalent of 5.375 in normalised form is 0100 0000 1010 1100 0000 0000 0000 0000, what would be the output of the following program?

```
#include<stdio.h>
int main()
{
   float a =5.375;
   char *p;
   int i;
   p = (char*)&a;
   for(i=0;i<=3;i++)
       printf("%02x", (unsigned char)p[i]);
   return 0;
}
```

A	40 AC 00 00	B	04 CA 00 00
C	00 00 AC 40	D	00 00 CA 04

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20 What will be the output of the following program :

```c
#include<stdio.h>
main()
{
        int a=555,b=*ptr,*ptr=&a;
        printf("%d %d %d",++a,--b,*ptr++);
}
```

A			
Compile Error	**B**	555 554 555	
C 556 554 555	**D**	557 554 555	

View answer   Report

21 What will be the output of the following program :

```c
#include<stdio.h>
void main()
{
        float val=5.75;
          int *ptr=&val;
          printf("%.2f %.2f",*(float *)ptr,val);
}
```

A			
Compile Error	**B**	5.75 5.75	
C 5.00 5.75	**D**	None of these	

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22 What will be the output of the following program :

```
#include<stdio.h>
main()
{
        int a=5u,*b,**c,***d,****e;
          b=&a;
          c=&b;
          d=&c;
          e=&d;
          printf("%u %u %u %u",*b-5,**c-11,***d-6,65535+****e);
}
```

Choose File   No file chosen

A	B
Compile Error	0 65530 65535 4

C	
65530 65535 65539	**D** 0 -6 -1 -2

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23   What will be the output of the following program :

```
#include<stdio.h>
void main()
{
        int (*a)[5];
        printf("%d %d",sizeof(*a),sizeof(a));
}
```

A	Compile error	B	2 5
C	5 2	D	None of these

View answer   Report

24   What will be output of following program?

```
#include<stdio.h>
#include<string.h>
int main()
{
    int register a;
```

```
scant( %d ,&a);   // say a = 10
printf("%d",a);
return 0;
}
```

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| C | 0 | Compilation error |

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25 What will be the output of the following program :

```
#include<stdio.h>
main()
{
        int val=1234;
        int* ptr=&val;
        printf("%d %d",val,*ptr++);
}
```

A	1234 1234	B	1235 1235
C	1234 1235	D	1235 1234

View answer   Report

26 In which header file is the NULL macro defined?

A	stdio.h	B	stddef.h
C		
stdio.h and stddef.h		D	math.h

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27 What will be output of following program?

```
#include<stdio.h>
#include<string.h>
int main()
```

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