

### C Sample Questions – 4

1. What will be the output of the following code:-

```
int c=20;
switch(c)
{
case 19-26:printf("here");
    break;
default:printf("there");
    break;
}
```

- a) here
- b) there
- c) No output
- d) Error

Ans b

2. output of the following code:

```
main()
{
    int c=2;
    if(c=2||3)
        printf("%d",c);
    else
        printf("here");
}
```

- a) 1
- b) 0
- c) A
- d) here

Ans a

3. find the output of the code given below:

```
int fiAdd(int x,int y);
main()
{
    int a=3;
```

```
    int b=5;
    printf("%d",fiAdd(a,b));
}
```

```
fiAdd(x,y)
{
    return(x+y);
}
```

- a) 3
- b) 5
- c) 8
- d) None of the above

Ans c

4.find the output of the code given below:

```
main()
{
    int k=3;
    if(k=4)
        printf("hello");
    else
        printf("hi");
}
```

- a) hello
- b) hi
- c) 4
- d) 5

Ans a

5.find the output of the code given below:

```
main()
{
    int a;
    int k;
    a=1;
    for(k=0;k<5;k++)
    {
```

```

        printf("%d %d
%d\n",++a,a++,++a);
    }
}

```

- a) 4 2 2  
7 5 5  
10 8 8  
13 11 11  
16 16 16
- b) 4 2 2  
7 5 5  
10 8 8  
13 11 11  
16 14 14
- c) 4 2 2  
7 5 5  
10 8 8  
13 11 11  
16 14 16
- d) None of the above

Ans b

```

6.main()
{
int array[3][5] =
{{1,2,3,4},{10,11,12,13,14},{5,6,7,8}};
    int i;
    int j;
for(i=0;i<3;i++)
{
    for(j=0;j<5;j++)
        printf("%d ",array[i][j]);
    printf("\n");
}
}

```

- a) 1 2 3 4 0  
10 11 12 13 14  
5 6 7 8 0
- b) 1 2 3 4 0  
10 11 12 13 14
- c) 1 2 3 4 0  
10 11 12 13 14  
5 6 7 8

- d) None of the above

Ans a

7) What is the output of the following code snippet?

```
printf("%d",printf("programming"));
```

- a) programming
- b) programming programming
- c) programming11
- d) None of the above

Ans c

8. What is the o/p of the following program?

```

int i=5;
if (i=10)
printf("%d",i);

```

- a) 1
- b) 5
- c) 10
- d) None of the above

Ans c

9. What is the output of the following program?

```

int i;
i=1;
printf("%d %d",i++,i);

```

- a) 0 0
- b) 1 1
- c) 2 2
- d) 1 2

Ans b

10) what is the o/p of the following program?

```
int i;
```

```
for(i=0;i<1;i++) ;
i++;
printf("%d",i);
```

- a) 0
- b) 1
- c) 2
- d) None of the above

Ans c

11) What is the o/p of the following program?

```
int i;
for(i=0;i<1;i++)
i++;
i--;
printf("%d",i);
```

- a) 0
- b) 1
- c) 2
- d) None of the above

Ans b

12) What is the o/p of the following program?

```
int i=5;
switch(i)
{

case (i>2):
printf("%d",i);
break;
case(i<2):
printf("%d",i++);
break;
}
```

- a) 1
- b) 2
- c) 3
- d) Error

Ans d

```
13)
#include<stdio.h>
main()
{

    printf("hi""hello");

}
```

- a) hi
- b) hello
- c) hihello
- d) No output

Ans c

```
14)
#include<stdio.h>
main()
{
int I=0;
printf("%d",++I);
}
what is the answer?
```

- a) 0
- b) 1
- c) 2
- d) 3

Ans b

```
15. Consider,
main()
{
    float i;
    for(i=1; i<10; i++);
    {
        if (i % 2 == 0)
            printf("%d ", i);
    }
}
```

What does the program print?

- a) 0
- b) 1
- c) 2 4 6 8 10
- d) Error

Ans d

16. Consider the following program,

```
#include <stdio.h>
static int a;
main()
{
    static int i = a;

    printf("%d %d", i,a);
    return 0;
}
```

What does the program print?

- a) 0 0
- b) 1 1
- c) 0 1
- d) No output

Ans a

17. What would be the output of the following program?

```
main()
{
    int i=2;
    printf("\n%d %d",++i,++i);
}
```

- a) 1 2
- b) 3 4
- c) 4 3
- d) 4 4

Ans c

18. What would be the output of the following program?

```
main()
{
    char a[]="Visual C++";
```

```
    printf("\n%d",sizeof(a));
}
```

- a) 1
- b) 2
- c) 10
- d) 11

Ans d

19. What would be the output of the following program

```
#include<string.h>
main()
{
    char str1[] = "Infosys";
    char str2[] = "Infosys";
    if(str1==str2)
        printf("\n Equal");
    else
        printf("\n Unequal");
}
```

- a) Equal
- b) Unequal
- c) No output
- d) Error

Ans b

20. What would be the output of the following program?

```
#include<stdio.h>
main()
{
    int a[5]={2,3};
    printf("\n %d %d %d",a[2],a[3],a[4]);
}
```

- a) 0 0 0
- b) 0 0 1
- c) 0 1 0
- d) None of the above

Ans a

21. What will be the output of following program?

```
#include<stdio.h>
void main()
{
    int i,j;
    for(i=0;i<=2;i++)
        for(j=0;j<=2;j++)
        {
            if(i==j)
                continue;
            printf("%d %d \n",i,j);
        }
}
```

a) 0 1  
0 2  
1 0  
1 2  
2 0  
2 1

b) 0 1  
0 2  
1 0  
1 0  
2 0  
2 1

c) 0 1  
0 2  
1 0  
1 2  
2 1  
2 1

d) None of the above

Ans a

22. Find the output of the following program

```
void main()
{
```

```
int iNum =1;
switch(iNum)
{
    default: printf("Invalid");
            break;
    case 1 : printf("One");
            break;
    case 1 : printf("One more");
            break;
    case 2 : printf("two");
            break;
}
```

a) One  
b) One more  
c) Two  
d) Compile error

Ans d

23. What is the output of the following code

```
int icount = 1;
while (icount < 10);
icount++;
printf("%d", icount);
```

a) 1 ... 32767  
b) 1 ... 10  
c) Infinite loop  
d) None of the above

Ans c

24. What is the output of the following code snippet :

```
int iNum=1;
switch (iNum)
{
    case 1: printf ("One ");
    case 2: printf("Two"); break;
    default : printf ("Invalid");
}
```

- a) One Two
- b) One
- c) Two
- d) Invalid

Ans a

25. What is the output of the following code?

```
#include<stdio.h>
void main()
{
    int i;
    int k;
    i = 2;
    k = 5;
    if(i=5)
    {
        printf("%d",k++);
    }
    printf("%d",++i);
}
```

- a) 2 5
- b) 0 1
- c) 5 6
- d) None of the above

Ans c

26. What will be the output of the following piece of code?

```
#include<stdio.h>
void main()
{
    int x,y,z;
    x=5;
    y=4;
    z=0;
    if(x==0)
        if(y==0)
            printf("Do
Something");
    else
```

```
    {
        z=x+y;
        printf("The control is here");
    }
}
```

- a) Do Something
- b) The control is here
- c) No output
- d) Compile error

Ans c

27.  
int x, y = 2, z, a;  
x = (y\*= 2) + (z = a = y);  
printf("%d",x);

- a) 2
- b) 4
- c) 6
- d) 8

ans d

28. The following statement  
printf("%f", (float) 9/5);

- a) 1
- b) 1.800000
- c) No output
- d) 0.000000

Ans b

29. The following statement  
printf("%f",9/5);

- a) 1
- b) 1.800000
- c) No output
- d) 0.000000

Ans c

30. The following program fragment

```
int i;  
for(i = 3; i < 15; i += 3);  
printf("%d", i);
```

- a) 3 ... 15
- b) 3 6 9 12 15
- c) 15
- d) Infinite loop

Ans c

31.

```
int i;  
for(i = 1; i < 5; ++i)  
    if(i == 3)  
        continue;  
    else printf("%d", i);
```

- a) 1 2 3 4
- b) 1 2
- c) 1 2 3
- d) 1 2 4

Ans d

32. The following program

```
int a;  
if( a = 0) printf("a is zero"); else printf("a is  
non zero");
```

- a) a is non zero
- b) a is zero
- c) No output
- d) Compile error

Ans a

33. The following program fragment

```
if(a = 7) printf("a is seven"); else printf("a is  
not seven");
```

- a) a is seven
- b) a is not seven
- c) No output
- d) Compile error

Ans a

34. The following program fragment

```
int k = -7;  
printf("%d", 0 < !k);
```

- a) -7
- b) 0
- c) 1
- d) None of the above

Ans b

35. The following loop

```
for(putchar('c'); putchar('a'); putchar('r'))  
    putchar('t');
```

- a) cart
- b) catratratrat....
- c) c
- d) None of the above

Ans b

36. The following loop

```
int i, j;  
for(i = 1, j = 10; i < 6; ++i, --j)  
    printf("%d %d\n", i, j);
```

- a) 1 10  
2 9  
3 8  
4 7  
5 6
- b) 1 10  
2 9  
3 3  
4 7  
5 6
- c) 1 10  
10 9  
3 3  
4 7  
5 6

d) None of the above

Ans a

37. The following program fragment

```
int a=4, b= 6;  
printf("%d", a != b);
```

- a) 4
- b) 6
- c) 1
- d) 0

Ans c

Question 38

The following program fragment

```
int a = 4, b = 6;  
printf("%d", a=b );
```

- a) 4
- b) 6
- c) 1
- d) 0

Ans b

39. The following program

```
main()  
{  
int i = 5;  
if( i == 5)  
return 0;  
else printf("i is not five");  
printf("over");  
}
```

- a) i is not five
- b) execution termination, without printing anything
- c) 0
- d) 1

Ans b

40. The following program fragment

```
int i = 5;  
do { putchar(i+100);printf("%d",i--);  
}  
while(i);
```

- a) i5h4g3f2e1
- b) i54321
- c) ihgfe
- d) None of the above

Ans a

41. The following program fragment

```
int i = 107, x= 5;  
printf((x > 7) ? "%d" : "%c", i);
```

- a) 107
- b) 5
- c) k
- d) None of the above

Ans c

42. The following statements

```
int i;  
for(i = 3; i < 15; i+=3){ printf("%d ", i);++i;  
}
```

- a) 3 7 11
- b) 3 6 9 12 15
- c) 3
- d) None of the above

Ans a

43. The following statement

```
if( 2 < 1 );  
else  
x = (2 < 0)? printf("one") : printf("four");  
printf("%d", x);
```

- a) one
- b) four
- c) four4
- d) None of the above



Ans c

44. The following program

```
main()
{
printf("saradhi");
main();
}
```

- a) saradhi
- b) saradhi.....
- c) No output
- d) Compile error

Ans b

45. The following program

```
change(int);
main()
{
int a = 4;
change(a);
printf("%d",a);
}
change(int a)
{
printf("%d",++a);
}
```

- a) 4
- b) 5
- c) 5 4
- d) No output

Ans c

46. The following program

```
inc();
main()
{inc();inc();inc();
}
inc()
{
static int x;
```

```
printf("%d",++x);
}
```

- a) 1 1 1
- b) 2 2 2
- c) 3 3 3
- d) 1 2 3

Ans d

47. printf("ab", "cd", "ef");

- a) ab
- b) cd
- c) ef
- d) abcdef

Ans a

48

The expression  $4 + 6/3 * 2 - 2 + 7\%3$  evaluates to

- a) 5
- b) 6
- c) 7
- d) None of these

Ans c

49. main ()

```
{ int a =5, b = 2;
printf("%d", a+++b); }
```

- a) 5
- b) 2
- c) 7
- d) No output

Ans c

50. The following program

```
main(){  
float a = 0.5, b = 0.7;  
if(b < 0.7)  
if(a < 0.5) printf("TELO");  
else printf("LTTE");  
else printf("JKLF");  
}
```

- a) TELLO
- b) LTTE
- c) JKLF
- d) No output

Ans b