This section presents you various set of Mock Tests related to **C Programming Framework**. You can download these sample mock tests at your local machine and solve offline at your convenience. Every mock test is supplied with a mock test key to let you verify the final score and grade yourself.

### Q 1 - What is the output of the following code snippet?

```c
#include<stdio.h>

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

A - 5  
B - 6  
C - Runtime error  
D - Compile error

### Q 2 - What is the output of the following code snippet?

```c
#include<stdio.h>

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

A - 5  
B - 6  
C - Runtime error
Q 3 - What is the output of the below code snippet?

```c
#include<stdio.h>
main()
{
    char s[]="hello", t[]="hello"
    if(s==t){
        printf("equal strings");
    }
}
```

A - Equal strings
B - Unequal strings
C - No output
D - Compilation error

Q 4 - What is the output of the below code snippet?

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

A - a=5, b=3
B - a=5, b=3, c=0
C - a=5, b=3, 0
D - compile error

Q 5 - What is the output of the below code snippet?

```c
#include<stdio.h>
main()
{
    int a = 1;
    float b = 1.3;
    double c;
    c = a + b;
    printf("%.2lf", c);
}
```

A - 2.30
B - 2.3
Q 6 - What is the output of the following program?

```c
#include<stdio.h>
main()
{
    enum { india, is=7, GREAT };
    printf("%d %d", india, GREAT);
}
```

A - 0 1.
B - 0 2
C - 0 8
D - Compile error

Q 7 - What is the output of the following code snippet?

```c
#include<stdio.h>
main()
{
    char c = 'A'+255;
    printf("%c", c);
}
```

A - A
B - B
C - Overflow error at runtime
D - Compile error

Q 8 - What is the output of the following code snippet?

```c
#include<stdio.h>
main()
{
    short unsigned int i = 0;
    printf("%u
", i--);
}
```

A - 0
B - Compile error
C - 65535
D - 32767
Q 9 - What is the output of the below code snippet?

```c
#include<stdio.h>
main()
{
    unsigned x = 5, y=&x, *p = y+0;
    printf("%u", *p);
}
```

A - Address of x  
B - Address of y  
C - Address of p  
D - 5

Q 10 - What is your comment on the below C statement?

```c
signed int *p=(int*)malloc(sizeof(unsigned int));
```

A - Improper type casting  
B - Would throw Runtime error  
C - Memory will be allocated but cannot hold an int value in the memory  
D - No issue with statement

Q 11 - What is the output of the following code snippet?

```c
#include<stdio.h>
main()
{
    int x = 5;
    if(x==5)
    {
        if(x==5) break;
        printf("Hello");
    }
    printf("Hi");
}
```

A - Compile error  
B - Hi  
C - HelloHi  
D - Hello

Q 12 - What is the output of the following code snippet?

```c
#include<stdio.h>
```
Q 13 - What is the output of the following code snippet?

```c
#include<stdio.h>
main()
{
    int x = 5;
    if(x==5)
    {
        if(x==5) break;
        printf("Hello");
    }
    printf("Hi");
}
```

A - HelloHi  
B - Hi  
C - Hello  
D - Compiler error

Q 14 - What is the output of the below code snippet?

```c
#include<stdio.h>
main()
{
    for(;;)printf("Hello");
}
```

A - Infinite loop  
B - Prints “Hello” once.  
C - No output  
D - Compile error

Q 15 - What is the output of the below code snippet?
```c
#include<stdio.h>
main()
{
    for()
        printf("Hello");
}
```

A - Infinite loop
B - Prints “Hello” once.
C - No output
D - Compile error

**Q 16 - What is the output of the below code snippet?**

```c
#include<stdio.h>
main()
{
    for(1;2;3)
        printf("Hello");
}
```

A - Infinite loop
B - Prints “Hello” once.
C - No output
D - Compile error

**Q 17 - int x=~1; What is the value of 'x'?**

A - 1
B - -1
C - 2
D - -2

**Q 18 - What is the output of the following program?**

```c
#include<stdio.h>
void f()
{
    static int i;
    ++i;
    printf("%d", i);
}
main()
{
    f();
    f();
    f();
}
```
Q 19 - What is the output of the following code snippet?

```c
#include<stdio.h>
main()
{
    int *p = 15;
    printf("%d", *p);
}
```

A - 15
B - Garbage value
C - Runtime error
D - Compiler error

Q 20 - What is the output of the following program?

```c
#include<stdio.h>
main()
{
    register int x = 5;
    int *p;
p=&x;
x++;  // x = 6
    printf("%d", *p);
}
```

A - Compile error
B - 5
C - 6
D - Garbage value

Q 21 - What is the output of the following program?

```c
#include<stdio.h>
main()
{
    int x = 65, *p = &x;
    void *q=p;
    char *r=q;
    printf("%c", *r);
}
```
Q 22 - What is the output of the following program?

```c
#include<stdio.h>

void f()
{
    printf(“Hello
”);
}
main()
{
}
```

A - No output
B - Error, as the function is not called.
C - Error, as the function is defined without its declaration
D - Error, as the main function is left empty

Q 23 - What is the output of the following program?

```c
#include<stdio.h>
main()
{
    printf("\n");
}
```

A - \n
D - Compile error

Q 24 - What is the output of the following program?

```c
#include<stdio.h>

{ int x = 1;
    switch(x)
    {
        default: printf("Hello");
        case 1: printf("hi"); break;
    }
}
```

A - Hello
B - Hi
C - HelloHi
Q 25 - What is the output of the following program?

```c
#include<stdio.h>

main()
{
    struct { int x;} var = {5}, *p = &var;
    printf("%d %d %d",var.x,p->x,("p").x);
}
```

A - 5 5 5
B - 5 5 garbage value
C - 5 5 0
D - Compile error

Q 26 - What is the output of the following program?

```c
#include<stdio.h>

void swap(int m, int n)
{
    int x = m;
    m = n;
    n = x;
}

main()
{
    int x=5, y=3;
    swap(x,y);
    printf("%d %d", x, y);
}
```

A - 3 5
B - 5 3
C - 5 5
D - Compile error

Q 27 - What will be printed for the below statement?

```c
#include<stdio.h>

main()
{
    printf("%d",strcmp("strcmp()","strcmp()");
}
```

A - 0
B - 1
C - Invalid use of strcmp function

Q 28 - What is the following program doing?
```c
#include<stdio.h>
main()
{
    FILE *stream=fopen("a.txt",'r');
}
```
A - Trying to open “a.txt” in read mode
B - Trying to open “a.txt” in write mode.
C - “stream” is an invalid identifier
D - Compile error

Q 29 - What is the output of the following program?
```c
#include<stdio.h>
main()
{
    int r, x = 2;
    float y = 5;
    r = y%x;
    printf("%d", r);
}
```
A - 1
B - 0
C - 2
D - Compile error

Q 30 - Which operator is used to continue the definition of macro in the next line?
A - #
B - ##
C - $
D - \`

Q 31 - What is the size of the following union definition?
```c
#include<stdio.h>
union abc {
    char a, b, c, d, e, f, g, h;
    int i;
}
```
### Q 32 - What is the size of ‘int’?

A - 2  
B - 4  
C - 8  
D - Compiler dependent

### Q 33 - The type name/reserved word ‘short’ is ___

A - short long  
B - short char  
C - short float  
D - short int

### Q 34 - What is the value of ‘y’ for the following code snippet?

```c
#include<stdio.h>  
main()  
{  
    int x = 1;  
    float y = x>>2;  
    printf( "%f", y );  
}
```

A - 4  
B - 0.5  
C - 0  
D - 1

### Q 35 - What is the output of the following program?

```c
#include<stdio.h>  
main();
{
    printf( "%d", sizeof( abc ));
}
A - 1  
B - 2  
C - 4  
D - 8
```
main()
{
    float t = 2;
    switch(t)
    {
    case 2: printf("Hi");
    default: printf("Hello");
    }
}

A - Hi
B - HiHello
C - Hello
D - Error

Q 36 - What is the output of the following program?
#include<stdio.h>
main()
{
    int i = 1;
    while(++i <= 5)
        printf("%d ",i++);
}

A - 1 3 5
B - 2 4
C - 2 4 6
D - 2

Q 37 - What is the output of the following program?
#include<stdio.h>
main()
{
    int i = 1;
    while( i++<=5 )
        printf("%d ",i++);
}

A - 1 3 5
B - 2 4
C - 2 4 6
D - 2

Q 38 - What is the output of the following program?
```c
#include<stdio.h>

main()
{
    int i = 1;
    while(i++<=5);
    printf("%d ",i++);
}
```

A - 4
B - 6
C - 2 6
D - 2 4

**Q 39 - What is the output of the following program?**

```c
#include<stdio.h>

main()
{
    int x = 1;
    do
        printf("%d ", x);
    while(x++<=1);
}
```

A - 1
B - 1 2
C - No output
D - Compile error

**Q 40 - What is the output of the following program?**

```c
#include<stdio.h>

main()
{
    int a[] = {1,2}, *p = a;
    printf("%d", p[1]);
}
```

A - 1
B - 2
C - Compile error
D - Runtime error

**Q 41 - What is the output of the following program?**

```c
#include<stdio.h>
```
```c
main()
{
    int a[3] = {2, 1};
    printf("%d", a[a[1]]);
}
```

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

Q 42 - What is the output of the following program?

```c
#include<stdio.h>
main()
{
    int a[3] = {2, 1};
    printf("%d", a[a[0]]);
}
```

A - 0
B - 1
C - 2
D - Compile error

Q 43 - What is the output of the following program?

```c
#include<stdio.h>
main()
{
    int a[] = {2, 1};
    printf("%d", *a);
}
```

A - 0
B - 1
C - 2
D - Compile error.

Q 44 - What is the output of the following program?

```c
#include<stdio.h>
main()
{
    int i = 1;
```
Charminar:
printf("%d ", i++);
if(i==3) break;
if(i<=5) goto Charminar;
}

A - 12
B - 123
C - 1245
D - Compile error

Q 45 - What is the output of the following program?

#include<stdio.h>
main()
{
    int i = 13, j = 60;
    i ^= j;
    j ^= i;
    i ^= j;
    printf("%d %d", i, j);
}

A - 73 73
B - 60 13
C - 13 60
D - 60 60

Q 46 - What is the output of the following program?

#include<stdio.h>
main()
{
    union abc {
        int x;
        char ch;
    }var;
    var.ch = 'A';
    printf("%d", var.x);
}

A - A
B - Garbage value
C - 65
D - 97
Q 47 - Identify the incorrect file opening mode from the following.
A - r
B - w
C - x
D - a

Q 48 - Function fopen with the mode "r+" tries to open the file for __
A - reading and writing
B - reading and adding new content
C - only for reading
D - it works only for directories

Q 49 - Identify the invalid constant used in fseek function as ‘whence’ reference.
A - SEEK_SET
B - SEEK_CUR
C - SEEK_BEG
D - SEEK_END

Q 50 - First operating system developed using C programming language.
A - DOS
B - Windows
C - UNIX
D - Mac

ANSWER SHEET

<table>
<thead>
<tr>
<th>Question Number</th>
<th>Answer Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>D</td>
</tr>
<tr>
<td>2</td>
<td>D</td>
</tr>
<tr>
<td>3</td>
<td>C</td>
</tr>
<tr>
<td>4</td>
<td>A</td>
</tr>
<tr>
<td>5</td>
<td>A</td>
</tr>
<tr>
<td>6</td>
<td>C</td>
</tr>
<tr>
<td>7</td>
<td>A</td>
</tr>
<tr>
<td>8</td>
<td>A</td>
</tr>
</tbody>
</table>