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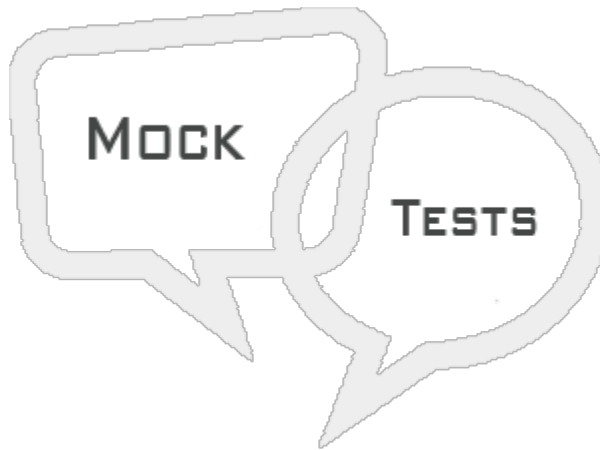
This section presents you various set of Mock Tests related to **C Programming Framework**. You can download these sample mock tests at your local machine and solve offline at your convenience. Every mock test is supplied with a mock test key to let you verify the final score and grade yourself.



## C PROGRAMMING MOCK TEST I

**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

D - Compile 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("eqaul 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

C - Compile error

D - 2.0

## Q 6 - What is the outpout of the following program?

```
#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?

```
#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?

```
#include<stdio.h>

main()
{
    short unsigned int i = 0;

    printf("%u\n", 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>
```

```
main()
{
    int x = 5;

    if(x=5)
    {
        if(x=5) break;
        printf("Hello");
    }
    printf("Hi");
}
```

A - Compile error

B - Hi

C - HelloHi

D - Compiler warning

**Q 13 - What is the output of the following code snippet?**

```
#include<stdio.h>

main()
{
    int x = 5;

    if(x=5)
    {
        if(x=5) printf("Hello");
    }
    printf("Hi");
}
```

A - HelloHi

B - Hi

C - Hello

D - Compiler error

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

```
#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?**

```
#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?

```
#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?

```
#include<stdio.h>

void f()
{
    static int i;

    ++i;
    printf("%d", i);
}

main()
{
    f();
    f();
    f();
}
```

A - 1 1 1

B - 0 0 0

C - 3 2 1

D - 1 2 3

---

## 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++;
    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);
}
```

A - Garbage character.

B - A

C - 65

D - Compile error

**Q 22 - What is the output of the following program?**

```c
#include<stdio.h>

void f()
{
    printf("Hello\n");
}
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("\");
}
```

A - \

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

D - Compile error

## Q 25 - What is the output of the following program?

```
#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?

```
#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?

```
#include<stdio.h>

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

A - 0

B - 1

C --1

D - 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;
```

```
}abc;

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

A - 1

B - 2

C - 4

D - 8

## 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?

```
#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?

```
#include<stdio.h>
```

```
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?

```
#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?**

```
#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?**

```
#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?**

```
#include<stdio.h>
```

```
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?

```
#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?

```
#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?

```
#include<stdio.h>

main()
{
    int i = 1;
```

```
    Charminar:
    printf("%d ",i++);
    if(i==3) break;
    if(i<=5) goto Charminar;
}
```

A - 1 2

B - 1 2 3

C - 1 2 4 5

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

| Question Number | Answer Key |
| --- | --- |
| 1 | D |
| 2 | D |
| 3 | C |
| 4 | A |
| 5 | A |
| 6 | C |
| 7 | A |
| 8 | A |

| | |
|---|---|
| 9 | D |
| 10 | D |
| 11 | A |
| 12 | A |
| 13 | A |
| 14 | A |
| 15 | D |
| 16 | A |
| 17 | D |
| 18 | D |
| 19 | C |
| 20 | A |
| 21 | B |
| 22 | A |
| 23 | D |
| 24 | B |
| 25 | A |
| 26 | B |
| 27 | A |
| 28 | D |
| 29 | D |
| 30 | D |
| 31 | C |
| 32 | D |
| 33 | D |
| 34 | C |
| 35 | D |
| 36 | B |
| 37 | C |
| 38 | B |
| 39 | B |
| 40 | B |
| 41 | B |
| 42 | D |
| 43 | C |

| | |
|---|---|
| 44 | D |
| 45 | B |
| 46 | C |
| 47 | C |
| 48 | A |
| 49 | C |
| 50 | C |