

# PROGRAMMING IN C

## Short Type Questions

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# Questions on Operators

# Find the output:

```
main()
{
    int k=35;
    printf("\n%d %d %d",k==35,k=50,k>40);
}
```

**Output:**

0 50 0

# Find the output:

```
main()
{
    int x=15;
    printf("\n %d  %d  %d",x!=15,x=20,x<30);
}
```

**Output:**

1 20 1

# Find the output:

```
main()
{
    int x=3,y,z;
    y= x=10;
    z=x<10;
    printf("\nx=%d y=%d z=%d",x,y,z);
}
```

**Output:**

x=10 y=10 z=0

# Find the output:

```
main()
{
    int a=5,b,c;
    b=a=15;
    c=a<15;
    printf("a=%d b=%d c=%d",a,b,c);
}
```

**Output:**

a=15 b=15 c=0

# Find the output:

```
main()
{
    int x=4,y,z;
    y=--x;
    z=x--;
    printf("%d %d %d\n",x,y,z);
}
```

**Output:**

2 3 3

# Find the output:

```
main()
{
    int x=4,y=3,z;
    z=x-- -y;
    printf("%d %d %d\n",x,y,z);
}
```

**Output:**

3 3 1



# Find the output:

```
#include<stdio.h>
main()
{
    int a=10;
    printf(“\n %d”, a>100);
}
```

**Output:**

0

# Find the output:

```
main()
{
    int i=-1,j=1,k,l;
    k=!i && j;
    l=!i || j;
    printf("%d %d\n",i,j);
}
```

**Output:**

-1 1

# Find the output:

```
main()
{
    int j=4,k;
    k=!5 && j;
    printf("k=%d\n",k);
}
```

**Output:**

k=0

# Find the output:

```
main()
{
    int k,num=30;
    k=(num>5 ? (num<=10 ? 100 : 200) : 500);
    printf("\n%d",num);
}
```

**Output:**

30

# Find the output:

```
main()
{
    int i=-1,j=1,k,l;
    k=i && j;
    l=i || j;
    printf("%d %d\n",l,j);
}
```

**Output:**

1 1

# Find the output:

```
main()
{
    int i=4,j=-1,k=0,w,x,y,z;
    w = i || j || k;
    x = i && j && k;
    y = i || j && k;
    z = i && j || k;
    printf("w=%d x=%d y=%d z=%d",w,x,y,z);
}
```

## Output:

w=1 x=0 y=1 z=1

# Find the output:

```
main()
{
    int i=4,j=-1,k=0,y,z;
    y = i+5 && j+1 || k+2;
    z = i+5 || j+1 && k+2;
    printf("\ny=%d z=%d",y,z);
}
```

**Output:**

y=1 z=1

# Questions on IF Control Structure



# Find the output:

```
main()
{
    int a=300,b,c;
    if(a>=400)
        b=300;
    c=200;
    printf("\n%d\t%d",b,c);
}
```

**Output:**

1486880 200

# Find the output:

```
main()
{
    int a=500,b,c;
    if(a>=400)
        b=300;
    c=200;
    printf("\n%d\t%d",b,c);
}
```

**Output:**

300 200

# Find the output:

```
main()
{
    int x=10,y=20;
    if(x==y);
    printf("\n%d\t%d",x,y);
}
```

**Output:**

10 20

# Find the output:

```
main()
{
    int x=3,y=5;
    if(x==3)
        printf("%d",x);
    else;
        printf("\t%d",y);
}
```

**Output:**

3 5

# Find the output:

```
main()
{
    int x=3;
    float y=3.0;
    if(x==y)
        printf("x and y are equal");
    else
        printf("x and y are not equal");
}
```

## **Output:**

x and y are equal

# Find the output:

```
main()
{
    int i=65;
    char j='A';
    if(i==j)
        printf("C is WOW\n");
    else
        printf("C is a headache\n");
}
```

**Output:**

C is WOW

# Find the output:

```
void main()
{
    int x = 5;
    if (x < 1)
        printf("hello");
    if (x == 5)
        printf("hi");
    else
        printf("no");
}
```

**Output:**

hi

# Find the output:

```
void main()
{
    int x;
    if (x)
        printf("hi");
    else
        printf("how are u");
}
```

**Output:**

hi



# Find the output:

```
main()
{
    printf("HELLO");
    if(!1)
        printf("WORLD");
}
```

**Output: HELLO**

# Find the output:

```
#include<stdio.h>
main()
{
    char ch=-63;
    int num=-36;
    unsigned int unum = -18;
    if(ch>num)
    {
        printf("A");
        if(ch>unum)
            printf("B");
        else
            printf("C");
    }
    else
    {
        printf("D");
        if(num<unum)
            printf("E");
        else
            printf("F");
    }
}
```

**Output:**  
D E

# Find the output:

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

```
int x;
```

```
void main()
```

```
{
```

```
    if (x)
```

```
        printf("hi");
```

```
    else
```

```
        printf("how are u");
```

```
}
```

**NOTE:**

Initial value of global  
variable is 0.

**Output:**

how are u.

# Find the output:

```
#include <stdio.h>
void main()
{
    int x = 0;
    if (x == 0)
        printf("hi");
    else
        printf("how are u");
        printf("hello");
}
```

**Output:**

hihello

# Find the output:

```
void main()
{
    int x = 5;
    if (x < 1);
        printf("Hello");
}
```

**Output:**

Hello

# Point out the errors if any:

```
main()  
{  
    float a=12.25,b=12.52;  
    if (a=b)  
        printf("\na and b are equal");  
}
```

**Output:**

a and b are equal

# Point out the errors if any:

```
main()
{
    int j=10,k=12;
    if(k>=j)
    {
        {
            k=j;
            j=k;
        }
    }
}
```

## **Output:**

No error. No output.

# Point out the errors if any:

```
main()
{
    if('X'<'x')
        printf("ASCII value of X smaller than x");
}
```

**Output:**

ASCII value of X smaller than x



# Point out the errors if any:

```
main()
{
    int x=10;
    if (x>=2) then
        printf("\n%d",x);
}
```

**Output:**

**ERROR.** Error at then.

# Point out the errors if any:

```
main()
{
    int x=10;
    if x>=2
        printf("\n%d",x);
}
```

**Output:**

**ERROR.** Parenthesis missing in if.

# Point out the errors if any:

```
main()
{
    int x=10,y=15;
    if (x%2=y%3)
        printf("Hello");
}
```

**Output:**

**ERROR.**

**Note:**

Left hand of = should be a variable.

# Point out the errors if any:

```
main()
{
    int x=30,y=40;
    if(x==y)
        printf("x is equal to y\n");
    elseif(x>y)
        printf("x is gt y\n");
    elseif(x<y)
        printf("x is lt y\n");
}
```

## Output:

**ERROR.** No space in between else and if.

# Point out the errors if any:

```
main()
{
    int a,b;
    scanf("%d%d",a,b);
    if(a>b);
        printf("This is a game\n");
    else
        printf("You have to play it\n");
}
```

## Output:

**ERROR.** No ‘&’ before a and b in scanf.  
Misplaced else as if ends with a semicolon.

# Find the output:

```
main()
{
    int i=4,z=12;
    if (i=5 || z>50)
        printf("Hello");
    else
        printf("Bye");
}
```

**Output:**

Hello

# Find the output:

```
main()
{
    int i=4,z=12;
    if (i=5 && z>50)
        printf("Let Us C");
    else
        printf("Wish C was free");
}
```

## **Output:**

Wish C was free

# Find the output:

```
main()
{
    int i=-3,j=3;
    if (!i + !j * 1)
        printf("Massaro");
    else
        printf("Bennarivo");
}
```

**Output:**

Bennarivo



# Find the output:

```
main()
{
    int a=40;
    if(a>40 && a<45)
        printf("a is greater than 40 and less than 45\n");
    else
        printf("%d",a);
}
```

**Output:**

40

# Find the output:

```
main()
{
    int p=8,q=20;
    if(p==5 && q>5)
        printf("Why not C\n");
    else
        printf("Definitely C!\n");
}
```

**Output:**

Definitely C!

# Find the output:

```
main()
{
    int x=20,y=40,z=45;
    if(x>y && x>z)
        printf("x is big\n");
    else if(y>x && y>z)
        printf("y is big\n");
    else if(z>x && z>y)
        printf("z is big\n");
}
```

**Output:**

z is big

# Find the output:

```
main()
{
    int a=2, b=3, c=4;
    if(a&&b)
        c=10;
    else
        c=20;
    printf("\n%d\t%d\t%d",a,b,c);
}
```

**Output: 2 3 10**

# Find the output:

```
main()
{
    int a=2, b=3, c=4;
    if(c!=100)
        a=10;
    else
        b=10;
    if(a+b > 10)
        c=12;
        a=20;
        b=++c;
    printf("\n%d\t%d\t%d",a,b,c);
}
```

**Output: 20 13 13**

# Find the output:

```
main()
{
    int a=2, b=3, c=4;
    if(a)
    if(b)
        c=10;
    else
        c=20;
    printf("\n%d\t%d\t%d",a,b,c);
}
```

**Output: 2 3 10**

# Find the output:

```
main()
{
    int a=2, b=3, c=4;
    if(a == 0 || b>=c && c>0)
    if(a && b)
        c=10;
    else
        c=20;
    printf(“\n%d\t%d\t%d”,a,b,c);
}
```

**Output: 2 3 4**

# Find the output:

```
main()
{
    int a=2, b=3, c=4;
    if(a=b)
        c++;
    printf("\n%d\t%d\t%d",a,b,c);
}
```

**Output: 3 3 5**



# Find the output:

```
main()
{
    printf("Hello");
    if(-1)
        printf("World");
}
```

**Output:** HelloWorld

# Find the output:

```
main()
{
    int a=10, b=20, c=30, d=40;
    if(c<d)
    if(c<b)
        printf("\n c");
    else if(a<c)
        printf("\n a");
    if(a>b)
        printf("\n b");
    else
        printf("\n d");
}
```

**Output:** a  
d

# Find the output:

```
main()
{
    int a=3;
    if(a<10)
        printf("Less");
    if(a<20)
        printf("Less");
    if(a<30)
        printf("Less");
}
```

**Output:** LessLessLess

# Find the output:

```
main()
{
    int a=2, b=3, c=4;
    if(a=b<c)
    {
        c++;
        a--;
    }
    ++b;
    printf("\n%d\t%d\t%d",a,b,c);
}
```

**Output: 0 4 5**

# Point out the errors if any:

```
main()
{
    int tag=0, code=1;
    if(tag == 0)
        (code>1?printf("\nHello"):printf("\nHi"));
    else
        printf("\nHello Hi !!");
}
```

**Output:**

**ERROR.** Error at ?

# Point out the errors if any:

```
main()
{
    int i=10,j;
        i>=5? (j=10):(j=15);
        printf("\n%d %d",i,j);
}
```

**Output:**

10 10

# Point out the errors,if any:

```
main()
{
    int i=2,j=5;
    if(i==2 && j==5)
        printf("Satisfied at last\n");
}
```

**Output:**

Satisfied at last

# Point out the errors if any:

```
main()
{
    int code,flag;
    if(code==1 & flag==0)
        printf("The eagle has landed");
}
```

**Output:**

No error. No output.



# Point out the errors if any:

```
main()
{
    char spy='a', password='z';
    if(spy=='a' or password=='z')
        printf("All birds are safe in the nest\n");
}
```

**Output:**

**ERROR.** or is not an operator.

# Point out the errors if any:

```
main()
{
    int i=10,j=20;
    if(i=5) && if(j=10)
        printf("Have a nice day\n");}
```

**Output:**

**ERROR** in line 3.

# Point out the errors if any:

```
main()
{
    int x=10,y=20;
    if(x>=2 and y<=50)
        printf(“%d\n“,x);
}
```

**Output:**

**ERROR.** and is not an operator.

# Point out the errors if any:

```
main()  
{  
    int a,b;  
    if(a==1 & b==0)  
        printf("God is great\n");  
}
```

**Output:**

No error. No output.

# Point out the errors if any:

```
main()
{
    int x=2;
    if(x==2 && x!=0);
    {
        printf("Hi\n");
        printf("Hello\n");
    }
    printf("Bye\n");
}
```

**Output: No error**

Hi

Hello

Bye

# Point out the errors if any:

```
main()
{
    int i=10,j=10;
    if(i && j==10);
    printf("Have a nice day\n");}
```

**Output: No error**  
Have a nice day

# Point out the errors if any:

```
main()
{
    int code,flag;
    if(code=1 | flag==0)
        printf("Hello");
}
```

**Output: No error**

Hello

# Questions on Case Control Structure



# Find the output (when 1 is entered):

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

```
void main()
```

```
{
```

```
    double ch;
```

```
    printf("enter a value btw 1 to 2:");
```

```
    scanf("%lf", &ch);
```

```
    switch (ch)
```

```
    {
```

```
        case 1:
```

```
            printf("1");
```

```
            break;
```

```
        case 2:
```

```
            printf("2");
```

```
            break;
```

```
    }
```

```
}
```

**Output:**

Compile time error

# Find the output (when 1 is entered):

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

```
void main()
```

```
{
```

```
    int ch;
```

```
    printf("enter a value btw 1 to 2:");
```

```
    scanf("%d", &ch);
```

```
    switch (ch)
```

```
    {
```

```
        case 1:
```

```
            printf("1\n");
```

```
        default:
```

```
            printf("2\n");
```

```
    }
```

```
}
```

**Output:**

1

2

# Find the output (when 2 is entered):

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

```
void main()
```

```
{
```

```
    int ch;
```

```
    printf("enter a value btw 1 to 2:");
```

```
    scanf("%d", &ch);
```

```
    switch (ch)
```

```
    {
```

```
        case 1:
```

```
            printf("1\n");
```

```
            break;
```

```
            printf("Hi");
```

```
        default:
```

```
            printf("2\n");
```

```
    }
```

```
}
```

**Output:**

2

# Find the output:

```
main()
{
    char ch='Y';
    switch(ch)
    {
        default:
            printf("\nYES OR NO");
        case 'Y':
            printf("YES");
            break;
        case 'N':
            printf("NO");
            break;
    }
}
```

**Output: YES**

# Find the output:

```
#include<stdio.h>
main()
{
    int ch=65;
    switch(ch)
    {
        case 'a':
        case 'A':
            printf("\nA");
            break;
        case 'b':
        case 'B':
            printf("\nB");
            break;
        default:
            printf("\ndefault");
    }
}
```

**Output: A**

# Find the output:

```
#include<stdio.h>
main()
{
    int ch=56;
    switch(ch)
    {
        case 'a':
        case 'A':
            printf("\nA");
            break;
        case 'b':
        case 'B':
            printf("\nB");
            break;
        default:
            printf("\ndefault");
    }
}
```

**Output: default**

# Find the output:

```
#include<stdio.h>
main()
{
    int ch=56;
    switch(ch)
    {
        default:
            printf("\ndefault");
        case 'a':
        case 'A':
            printf("\nA");
            break;
        case 'b':
        case 'B':
            printf("\nB");
            break;
    }
}
```

**Output:** default  
A

# Find the output:

```
main()
{
    char suite=3;
    switch(suite)
    {
        case 1:
            printf("\nDiamond");
        case 2:
            printf("\nSpade");
        default:
            printf("\nHeart");
    }
    printf("\nthought one wears a suite");
}
```

## **Output:**

Heart

thought one wears a suite



# Find the output:

```
main()
{
    int c=3;
    switch(c)
    {
        case '3':
            printf("You never win the silver prize\n");
            break;
        case 3:
            printf("You always lose the gold prize\n");
            break;
        default:
            printf("Of course provided you win a prize\n");
    }
}
```

## **Output:**

You always lose the gold prize

# Find the output:

```
main()
{
    int i=3;
    switch(i)
    {
        case 0:
            printf("Customers are dicey\n");
        case 1+0:
            printf("Markets are pricey\n");
        case 4/2:
            printf("Investors are moody\n");
        case 8%5:
            printf("At least employees are good\n");
    }
}
```

## Output:

At least employees are good

# Find the output:

```
main()
{
    int k;
    float j=2.0;
    switch(k=j+1)
    {
        case 3:
            printf("Trapped\n");
            break;
        default:
            printf("Caught\n");
    }
}
```

**Output:**

Trapped

# Find the output:

```
main()
{
    int ch='a'+'b';
    switch(ch)
    {
        case 'a':
        case 'b':
            printf("You entered b\n");
        case 'A':
            printf("a as in ashar\n");
        case 'b'+'a':
            printf("Tou entered a and b\n");
    }
}
```

## Output:

You entered a and b

# Find the output:

```
main()
{
    int i=1;
    switch(i-2)
    {
        case -1:
            printf("Feeding fish\n");
        case 0:
            printf("Wedding grass\n");
        case 1:
            printf("Mending roof\n");
        default:
            printf("Just to survive\n");
    }
}
```

## Output:

Feeding Fish  
Wedding grass  
Mending roof  
Just to survive

# Find the output:

```
main()
{
    int k,j=2;
    switch(k=j+1)
    {
        case 0:
            printf("\nTailor");
        case 1:
            printf("\nTutor");
        case 2:
            printf("\nTramp");
        default:
            printf("\nPure Simple Egghead!");
    }
}
```

## Output:

Pure Simple Egghead!

# Find the output:

```
main()
{
    int i=0;
    switch(i)
    {
        case 0:
            printf("\nTemple is a non-issue");
        case 1:
            printf("\nAandhi is never stable");
        case 2:
            printf("\nMandal will ruin India");
        case 3:
            printf("\nWe want better politicians");
    }
}
```

## Output:

Temple is a non-issue  
Aandhi is never stable  
Mandal will ruin India  
We want better politicians

# Find the output:

```
main()
{
    char i='1';
    switch(i)
    {
        case 0:
            printf("\nFeeding fish");
        case 1:
            printf("\nWedding grash");
        case 2:
            printf("\nMending roof");
        default:
            printf("\nJust to survive");
    }
}
```

## Output:

Just to survive



# Find the output:

```
main()
{
    char ch='a';
    switch(ch)
    {
        case 'a':
        case 'b':
            printf("\nYou entered b");
        case 'A':
            printf("\na as in ashar");
    }
}
```

## **Output:**

You entered b  
a as in ashar

# Point out the errors if any:

```
main()
{
    int suite=1;
    switch(suite);
    {
        case 0;
            printf("\nClub");
        case 1:
            printf("\nDiamond");
    }
}
```

## Output:

**ERROR.** case label not within switch statement.  
After case label : should be there in place of ; 82

# Point out the errors if any:

```
main()
{
    int temp;
    scanf("%d",&temp);
    switch(temp)
    {
        case (temp<=20):
            printf("\nOooooooooohhhh! Damn cool!");
        case (temp>20 && temp <= 30):
            printf("Rain rain here again");
        case (temp>30 && temp<=40):
            printf("\nWish I am on Everest");
        default:
            printf("Good old nagpur weather");
    }
}
```

## Output:

**ERROR.** Case label cannot contain the above type of statement. It should be either integer or character constant.

# Point out the errors if any:

```
main()
{
    float a=3.5;
    switch(a)
    {
        case 0.5:
            printf("\nThe art of C");
            break;
        case 1.5:
            printf("\nThe spirit of C");
            break;
        case 2.5:
            printf("\nSee through C");
            break;
        case 3.5:
            printf("\nSimply C");
    }
}
```

## Output:

**ERROR.** Switch quantity not an integer. Case label does not reduce to an integer constant 84

# Point out the errors if any:

```
main()
{

    int a=3,b=4,c;
    c=b-a;
    switch(c)
    {
        case 1||2:
            printf("God give me an opportunity to change things\n");
            break;
        case a||b:
            printf("God give me an opportunity to run my show\n");
            break;
    }
}
```

## Output:

**ERROR at case a||b..** Case label should be an integer or char constant.

# Point out the errors if any:

```
main()
{
    int x=3;
    switch(x)
    {
        case 1+2:
            printf("Hello");
            break;
        case 3:
            printf("Hye");
            break;
    }
}
```

**Output:**

**ERROR. Duplicate case values not allowed.**

# Questions on Loop Control Structure

# Find the output:

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

```
main()
```

```
{
```

```
    int i=0, n=10;
```

```
    while(i==0)
```

```
    {
```

```
        if(n<10)
```

```
        break;
```

```
        n--;
```

```
    }
```

```
    printf("\n i = %d and n=%d",i,n);
```

```
}
```

**Output:**

i=0 and n=9



# Find the output:

```
main()
{
    float pi=3.14,area;
    int r=7;
    while(r>=0)
    {
        area =pi * r* r;
        printf("\n Area = %f",area);
    }
}
```

## **Output:**

Area = 153.86

Area = 153.86

Area = 153.86

Area = 153.86

.

.

.

# Find the output:

```
main()
{
    int j;
    while(j<=10)
    {
        printf("\n%d",j);
        j=j+1;
    }
}
```

**Output:**

No output.

# Find the output:

```
main()
{
    int x=4;
    while(x==1)
    {
        x=x-1;
        printf("%d\n",x);
        --x;
    }
}
```

**Output:**

No output.

# Find the output:

```
main()
{
    int i=1;
    while(i<=10);
    {
        printf("\n%d",i);
        i++;
    }
}
```

## **Output:**

No output. Infinite loop.

# Find the output:

```
main()
{
    int x=1;
    while(x==1)
    {
        x=x-1;
        printf("\n%d",x);
    }
}
```

**Output:**

0

# Find the output:

```
main()
{
    int i;
    while(i=10)
    {
        printf("%d\n",i);
        i=i+1;
    }
}
```

## **Output:**

10 will be printed infinite no of times.

# Find the output:

```
main()
```

```
{
```

```
    int x=4,y=0,z;
```

```
    while(x>=0)
```

```
    {
```

```
        x--;
```

```
        y++;
```

```
        if(x==y)
```

```
            continue;
```

```
        else
```

```
            printf("\n%d %d",x,y);
```

```
    }
```

```
}
```

**Output: 3 1**

1 3

0 4

-1 5

# Find the output:

```
main()
{
    while('a'<'b')
        printf("\nMalayalam is pallindrome");
}
```

## Output:

Infinite loop. “Malayalam is palindrome” will be printed infinite no of times.



# Find the output:

```
main()
{
    int i=10;
    while(i=20)
        printf("\nA computer buff");
}
```

## Output:

Infinite loop. “A computer buff” will be printed infinite no of times.

# Find the output:

```
main()
{
    int x=4,y=0,z;
    while(x>=0)
    {
        if(x==y)
            break;
        else
            printf("\n%d %d",x,y);
        x--;
        y++;
    }
}
```

**Output:**

4 0

3 1

# Find the output:

```
main()
{
    int j;
    while(j<=10)
    {
        printf("\n%d",j);
        j=j+1;
    }
}
```

**Output:**

No output.

# Find the output:

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

```
main()
```

```
{
```

```
    int i=0;
```

```
    char c='0';
```

```
    while(i<10)
```

```
    {
```

```
        printf("%c",c+i);
```

```
        i++;
```

```
    }
```

```
}
```

**Output:** 0123456789

# Find the output:

```
#include<stdio.h>
main()
{
    while(1)
        printf("HI");
}
```

**Output:** HI will be printed infinite no of times

# Point out the errors if any:

```
main()
{
    char x;
    while(x=0;x<=255;x++)
        printf("\nAscii value %d character %c",x,x);
}
```

**Output:**

**ERROR.** Replace while by for.

# Find the output:

```
main()
```

```
{
```

```
    int i=0;
```

```
    do
```

```
    {
```

```
        printf("\n %d",i);
```

```
        i++;
```

```
    } while(i>=0);
```

```
    printf("\n STOP");
```

```
}
```

**Output:**

0

1

2

...

32768

STOP

# Find the output:

```
#include<stdio.h>
main()
{
    int i=0;
    do
    {
        if(i>10)
            continue;
        i++;
    }while(i<20);
    printf(“%d”,i);
}
```

**Output:** No output  
Infinite loop



# Find the output:

```
main()
{
    int i=0;
    for(;i;)
        printf("\nHere is some mail for you");
}
```

## **Output:**

No output.

# Find the output:

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

## Output:

Infinite loop. 1 will be printed infinite no of times.

# Find the output:

```
main()
{
    int i=1,j=1;
    for(;;)
    {
        if(i>5)
            break;
        else
            j+=i;
        printf("\t%d",j);
        i+=j;
    }
}
```

**Output:**

2 5

# Find the output:

```
main()
{
    int num=10;
    for(;--num;)
        printf("%d",num);
}
```

**Output: 987654321**

# Find the output:

```
main()
```

```
{
```

```
    int i, j;
```

```
    for(i=0;i<=10;i++)
```

```
    {
```

```
        printf("\n");
```

```
        for(j=0;j<=10;j++)
```

```
        printf(" ");
```

```
        printf("\n %d", j);
```

```
    }
```

```
}
```

**Output:** 11

11

11

11

11

11

11

11

11

11

11

# Find the output:

```
main()
{
    int num=0;
    for(; ; )
        printf("HI");
}
```

**Output:** Print HI infinite no of times

# Find the output:

```
main()
{
    int i=1;
    for(;i<=1;i++)
    {
        printf("\n %d",i);
        printf("\n STOP");
    }
}
```

**Output: 1**  
**STOP**

# Find the output:

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

**Output:** 10

```
main()
```

10

```
{
```

10

```
    int i,j;
```

10

```
    for(i=10;i>=0;i--)
```

10

```
    {
```

10

```
        printf("\n");
```

10

```
        for(j=1;j>=0;j--)
```

10

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

10

```
    }
```

10

```
}
```

10