

```

#include<stdio.h>
int main()
{
    int num;
    printf("Enter any number:");
    scanf("%d",&num);
    if(num>0)
        printf("Positive number");
    else if(num<0)
        printf("Negative number");
    else
        printf("Zero");
}

```

"D:\control statement\c5.exe"

```

Enter any number:4
Positive number
Process returned 0 (0x0)
Press any key to continue.

```

```

#include<stdio.h>
int main()
{
    char ch;
    printf("Enter a latter:");
    scanf("%c",&ch);
    if(ch=='a')
        printf("vowel");
    else if(ch=='e')
        printf("vowel");
    else if(ch=='i')
        printf("vowel");
    else if(ch=='o')
        printf("vowel");
    else if(ch=='u')
        printf("vowel");
    else
        printf("consonant");
}

```

"D:\control statement\c7.exe"

```

Enter a latter:a
vowel
Process returned 0 (0x0)
Press any key to continue.

```

```

#include<stdio.h>
int main()
{
    int year;
    printf("Enter any year:");
    scanf("%d",&year);
    if(year%400==0)
        printf("leap year");
    else if(year%4==0 && year%100!=0)
        printf("leap year");
    else
        printf("not leap year");
}

```

Select "D:\control statement\c"

```

Enter any year:2023
not leap year
Process returned 0 (0x0)
Press any key to continue.

```

```
#include<stdio.h>
int main()
{
    int n;
    printf("Enter any number:");
    scanf("%d",&n);
    if(n>0)
    {
        if(n%2==0)
            printf("Even number");
        else
            printf("Odd number");
    }
    else
    {
        printf("invalid insert");
    }
}
```

```
"D:\control statement\10c.exe"
Enter any number:12
Even number
Process returned 0 (0x0)
Press any key to continue.
```

```
#include<stdio.h>
int main()
{
    int mark;
    printf("Enter any mark:");
    scanf("%d",&mark );
    if(mark>32)
    {
        if(mark>100 || mark<0)
            printf("invalid");
        else if(mark>=80 && mark<=100)
            printf("A+");
        else if(mark>=70 && mark<=79)
            printf("A");
        else if(mark>=60 && mark<=69)
            printf("A-");
        else if(mark>=50 && mark<=59)
            printf("B");
        else if(mark>=40 && mark<=49)
            printf("C");
        else if(mark>=33 && mark<=39)
            printf("D");
    }
    else
        printf("fail");
}
```

```
"D:\control statement\11c.exe"
Enter any mark:88
A+
Process returned 0 (0x0)
Press any key to continue.
```

```
#include<stdio.h>
int main()
{
    int n;
    printf("Enter any number:");
    scanf("%d",&n);
    if(n%2==0)
    {
        if(n%3==0)
            printf("The number is even and divisible by 3");
        else
            printf("The number is even but not divisible by 3");
    }
    else
    {
        if(n%3==0)
            printf("The number is odd and divisible by 3");
        else
            printf("the number is odd but not divisible by 3");
    }
}
```

```
Enter any number:12
The number is even and divisible by 3
Process returned 0 (0x0)  execution time : 4.686 s
Press any key to continue.
```

```
#include<stdio.h>
int main()
{
    int age;
    printf("Enter your age:");
    scanf("%d",&age);
    if(age>=18)
        printf("You are eligible for voting");
    else
        printf("you are not eligible for voting");
    return 0;
}
```

```
Enter your age:19
You are eligible for voting
Process returned 0 (0x0)  execution time : 8.251 s
Press any key to continue.
```

```
#include<stdio.h>
int main()
{
    int num1,num2,num3;
    printf("Enter any number:");
    scanf("%d%d%d",&num1,&num2,&num3);
    if(num1>num2)
    {
        if(num1>num3)
            printf("The number is %d",num1);
        else
            printf("The number is %d",num3);
    }
    else if(num2>num3)
    {
        if(num2>num1)
            printf("The number is %d",num2);
        else
            printf("The number is %d",num1);
    }
    else if(num3>num1)
    {
        if(num3>num2)
            printf("The number is %d",num3);
        else
            printf("The number is %d",num2);
    }
    else
        printf("Number are eque");
}
```

```
Enter any number:11
22
33
The number is 33
Process returned 0 (0x0)   execution time : 6.912 s
Press any key to continue.
```

```
#include<stdio.h>
int main()
{
    int num1,num2,num3;
    printf("Enter any number:");
    scanf("%d%d%d",&num1,&num2,&num3);
    if(num1>num2)
    {
        if(num1>num3)
            printf("The number is %d",num1);
        else
            printf("The number is %d",num3);
    }
    else
    {
        if (num2>num3)
            printf("The number is %d",num2);
        else
            printf("The number is %d",num3);
    }
}
```

```
Enter any number:12
22
33
The number is 33
Process returned 0 (0x0)   execution time : 5.632 s
Press any key to continue.
```

```
#include<stdio.h>
int main()
{
    int n;
    printf("En#ter any number:");
    scanf("%d",&n);
    if(n%2==0)
        printf("Even number");
    else
        printf("Odd number");
}
```

```
"D:\control statement\9c.exe"
En#ter any number:14
Even number
Process returned 0 (0x0)
Press any key to continue.
```

```
#include<stdio.h>
int main()
{
    int num1,num2;
    printf("Enter any number:");
    scanf("%d%d",&num1,&num2);
    if(num1>num2)
        printf("%d",num1);
    else if(num1<num2)
        printf("%d",num2);
    else
        printf("equal");
}
```

```
"D:\control statement\c6.exe"
Enter any number:12
13
13
Process returned 0 (0x0)
Press any key to continue.
```



```
#include<stdio.h>
int main()
{
    printf("1.Enter celsius to fahrenheit:\n");
    printf("2.Enter fahrenheit to celsius:\n");
    printf("Enter any choice:");
    int choice;
    scanf("%d",&choice);
    if(choice==1)
    {
        float c,f;
        printf("Enter celsius temprature:");
        scanf("%f",&c);
        f=c*9/5+32;
        printf("fahrenheit=%f",f);
    }
    else if(choice==2)
    {
        float f,c;
        printf("Enter fahrenheit temprature:");
        scanf("%f",&f);
        c=5*(f-32)/9;
        printf("celsius=%f",c);
    }
    else
        printf("invalid insert");
}
```

```
1.Enter celsius to fahrenheit:
2.Enter fahrenheit to celsius:
Enter any choice:1
Enter celsius temprature:34
fahrenheit=93.199997
Process returned 0 (0x0)   execution time : 9.230 s
Press any key to continue.
```

```
#include<stdio.h>
int main()
{
    int mark;
    printf("Enter any mark:");
    scanf("%d",&mark);
    if(mark>100 || mark<0)
        printf("invalid");
    else if(mark>=80 && mark<=100)
        printf("A+");
    else if(mark>=70 && mark<=79)
        printf("A");
    else if(mark>=60 && mark<=69)
        printf("A-");
    else if(mark>=50 && mark<=59)
        printf("B");
    else if(mark>=40 && mark<=49)
        printf("C");
    else if(mark>=33 && mark<=39)
        printf("D");
    else
        printf("fail");
}
```

```
Enter any mark:65
A-
Process returned 0 (0x0)
Press any key to continue.
```

```
#include<stdio.h>
int main()
{
    int mark;
    printf("Enter any mark:");
    scanf("%d",&mark);
    if(mark>=33)
        printf("pass");
    else
        printf("fail");
}
```

```
"D:\control statement\pass fail
Enter any mark:32
fail
Process returned 0 (0x0)
Press any key to continue.
```

```
#include<stdio.h>
int main()
{
    char ch;
    printf("Enter any latter:");
    scanf("%c",&ch);
    if(ch>='a' && ch<='z')
    {
        printf("Small letter");
    }
    else if(ch>='A' && ch<='Z')
    {
        printf("capital latter");
    }
    else
        printf("not latter");
}
```

```
"D:\control statement\cc. 4.ex
Enter any latter:A
capital latter
Process returned 0 (0x0)
Press any key to continue.
```