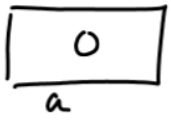
```
void main()
{
   int a;
   clrscr();
   printf("Enter an int:");
   scanf("%d",&a);

   if(a%2==0)
   {
      printf("Even no");
   }
   else
   {
      printf("Odd no");
   }
getch();
}
```



0 ./. 2 ⟶ 0

1 ./. 2 ⟶ 1

Rules Regarding Braces Used With Conditional Stmt
==========

```
if ( test_cond )
{
    stmt 1;
}
stmt 2;
stmt 3;
```

```
if ( test_cond )
    stmt 1;
stmt 2;
stmt 3;
```

GUESS THE OUTPUT
==========

```
if(a>0)
    {
      printf("Positive");
      printf("\nHello");
    }
if(a<0)
    {
      printf("\nNegative");
      printf("\nHi");
    }
```

INPUT
=====
10
Positive
Hello

INPUT
=====
-10
Negative
Hi

INPUT
=====
0
No o/p

GUESS THE OUTPUT
==========

```
if(a>0)
      printf("Positive");
      printf("\nHello");
if(a<0)
      printf("\nNegative");
      printf("\nHi");
```

INPUT
=====
10
Positive
Hello
Hi

INPUT
=====
-10
Hello
Negative
Hi

INPUT
=====
0
Hello
Hi

GUESS THE OUTPUT
==========

```
if(a>0)
        printf("Positive");
        printf("\nHello");
else
        printf("\nNegative");
        printf("\nHi");
```

Misplaced else.

INPUT
=====
10

INPUT
=====
-10

INPUT
=====
0

GUESS THE OUTPUT
==========

```
if(a>0)
    {
        printf("Positive");
        printf("\nHello");
    }
else
        printf("\nNegative");
        printf("\nHi");
```

INPUT
=====
10
Positive
Hello
Hi

INPUT
=====
-10
Negative
Hi

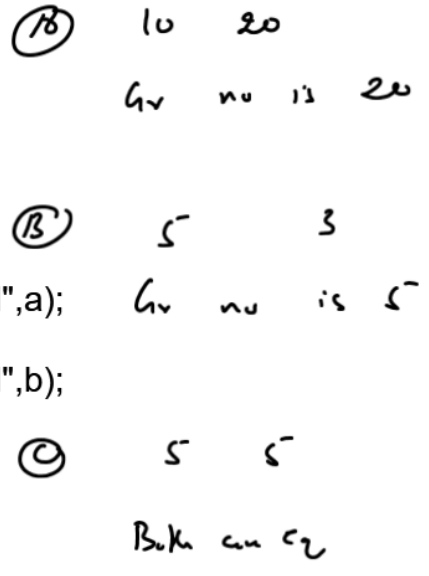
INPUT
=====
0
Negative
Hi

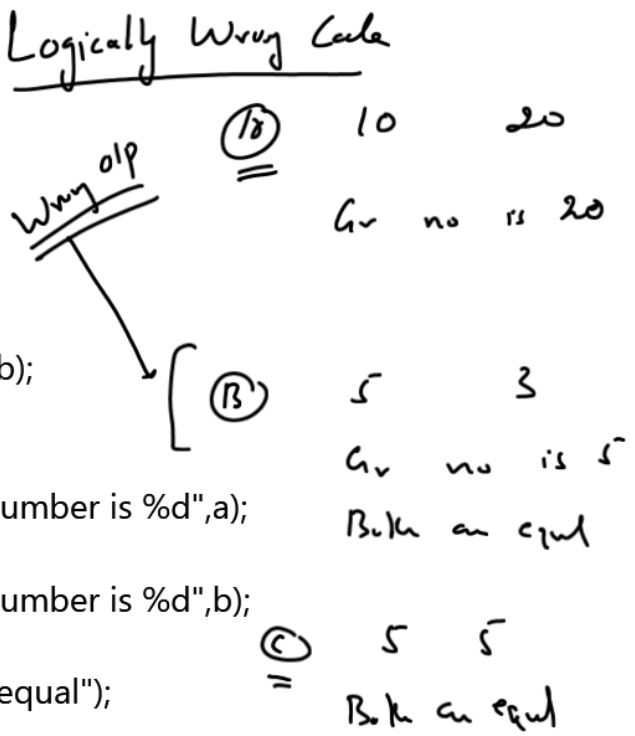
WAP to accept 2 integers from the user and prin the GREATER NUMBER amongst them. Make sure that your program handles equality of numbers also.

SAMPLE OUTPUT
==========
Enter 2 int:
10 20
Greater number is 20

SAMPLE OUTPUT
==========
Enter 2 int:
10 10
Both are equal

```
void main()
{
  int a,b;
  clrscr();
  printf("Enter 2 int:");
  scanf("%d %d",&a,&b);
  if(a>b)
       printf("Greater number is %d",a);
  else if(b>a)
       printf("Greater number is %d",b);
  else
       printf("Both are equal");
  getch();
}
```






```
void main()
{
   int a,b;
   clrscr();
   printf("Enter 2 int:");
   scanf("%d %d",&a,&b);

   if(a>b)
        printf("Greater number is %d",a);
   if(b>a)
        printf("Greater number is %d",b);
   else
        printf("Both are equal");
   getch();
}
```

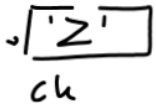
WAP to accept a character from the user and check whether it is a VOWEL or not. Assume that the user will input CAPITAL LETTER only,

SAMPLE OUTPUT
==========
Enter a char:
C
It is not a vowel

SAMPLE OUTPUT
==========
Enter a char:
I
It is a vowel

Solution 1

```
void main()
{
  char ch;
  clrscr();
  printf("Enter a char:");
  scanf("%c",&ch);
          Z
   if ( ch =='A')
        printf("It is a vowel");
 else if (ch=='E')
        printf("It is a vowel");
 else if(ch=='I')
        printf("It is a vowel");
 else if(ch=='O')
        printf("It is a vowel");
 else if(ch=='U')
        printf("It is a vowel");
 else
        printf("It is not a vowel");
getch();
}
```



SOLUTION 2: Better Way

```
void main()
{
  char ch;
  clrscr();
  printf("Enter a char:");
  scanf("%c",&ch);
   if ( ch =='A' || ch=='E' || ch=='I' || ch=='O' || ch=='U')
        printf("It is a vowel");
   else
        printf("It is not a vowel");
   getch();
}
```

ASSIGNMENT
==========

Qn1. WAP to accept a character from the user and check whether it is a capital letter or a small letter or a digit or something else.

Qn2. WAP to accept an integer from the user and check whether it is a multiple of 2 only or a multiple of 3 only or a multiple of both 2 and 3 or neither an multiple of 2 nor 3.

Qn3. WAP to ask the user to input marks of P,C,M . Calculate the percentage and display the grade as per the table given below:

PER	GRADE
>=75	D
>=60	A
>=48	B
<48	F

Finally show the total marks, percentage and grade. Assume every subject is of 100 marks