

PROBLEM STATEMENT :

Write a program to enter radius of circle & find its diameter ,circumference & area using const keyword & # define preprocessor.

```
#include<stdio.h>

#include<conio.h>

#define pi 3.142

int main(){

clrscr();

float radius, area, circumference, diameter;

printf(" enter a radius of circle");

scanf(" %f", &radius);

diameter =2*radius;

printf(" \n diameter of circle is %f is ",diameter );

circumference =2*pi*radius;

printf(" \n cirumference of circle is %f", circumference);

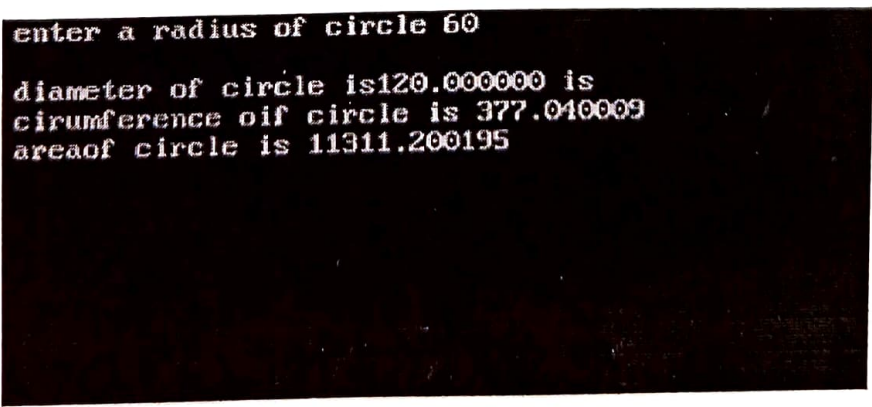
area =pi*radius *radius ;

printf(" \n area of circle is %f", area);

getch();

return 0;

}
```



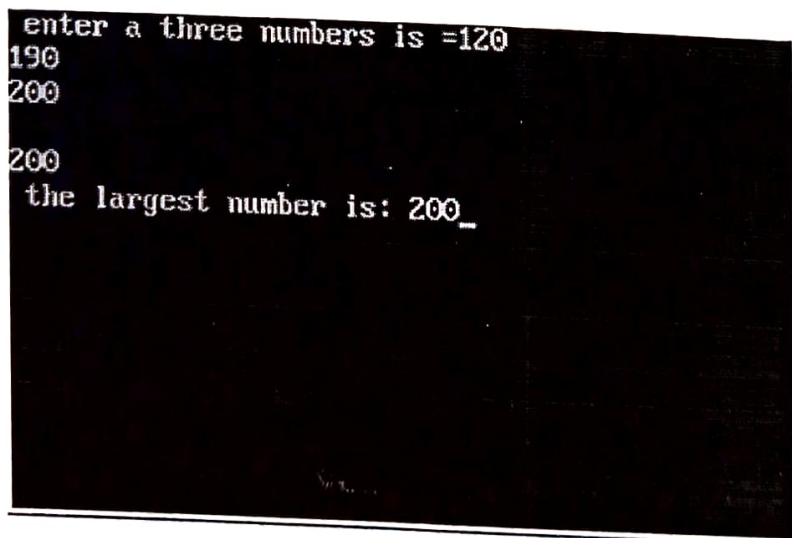
```
enter a radius of circle 60

diameter of circle is120.000000 is
circumference oif circle is 377.040009
areaof circle is 1131.200195
```

PROBLEM STATEMENT :

Write a program to accept three numbers from user & display the greatest using the conditional operator.

```
-----  
#include<stdio.h>  
  
#include<conio.h>  
  
void main()  
{  
clrscr();  
  
int a, b, c, greater;  
  
printf(" enter a three numbers is =");  
scanf(" %d %d %d ",&a ,&b ,&c);  
greater=(a>b)?((a>c)?a:c):((b>c)?b:c);  
printf(" the largest number is: %d",greater);  
getch();  
}
```

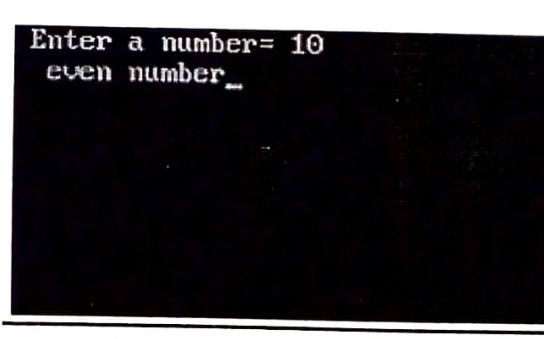


```
enter a three numbers is =120  
190  
200  
  
200  
the largest number is: 200_
```

PROBLEM STATEMENT :

Write a program to check wheather number is even or odd using bitwise operator.

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
int n;
printf(" Enter a number=");
scanf(" %d",&n);
if (n&1==1)
{
printf(" odd number");
}
else
{
printf(" even number");
}
getch();
}
```



Enter a number= 10
even number_

EXPERIMENT NO:4

PROBLEM STATEMENT:

Write a program to display first n elements of Fibonacci series.

```
#include<stdio.h>

#include<conio.h>

void main()

{
    clrscr();

    int a=0,b=1,c,i,n;

    printf(" Enter a number:");

    scanf("%d",&n);

    printf("Fibonacci Series\n0\n1\n");

    for(i=1;i<=n-2;i++)

    {

        c=a+b;

        printf("%d\n",c);

        a=b;

        b=c;

    }

    getch();

}
```


Enter a number:15

Fibonacci Series

0
1
1
2
3
5
8
13
21
34
55
89
144
233
377