

Activity-1

QNO:1

Program to add two number

```
#include<stdio.h>

#include<conio.h>

void main()
{
    int a,b,c;

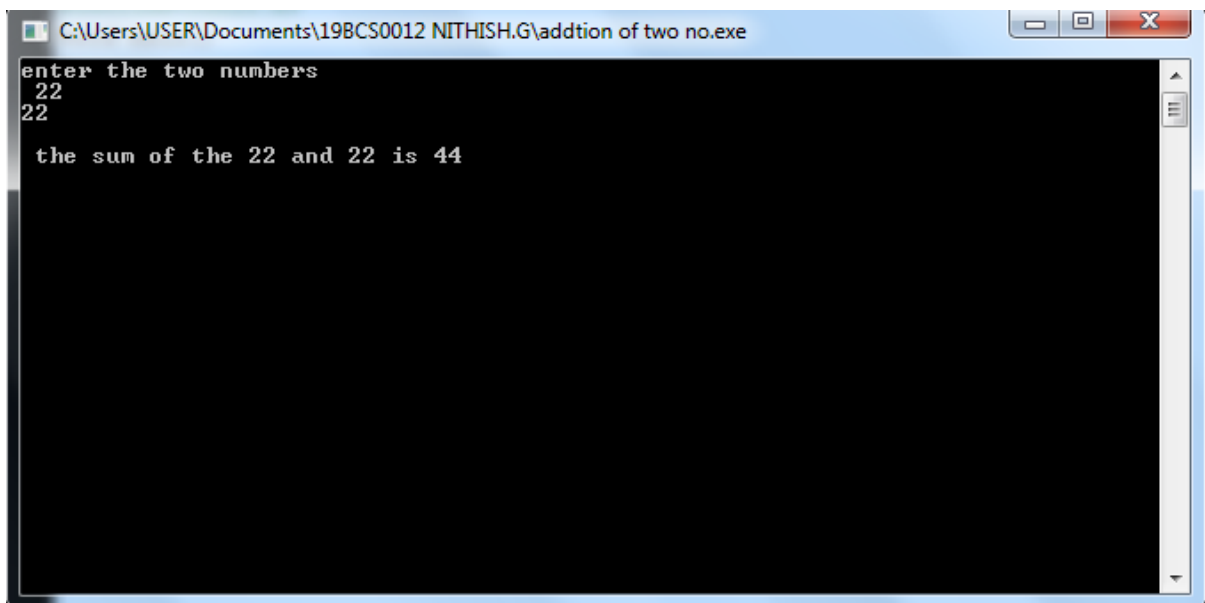
    printf("enter the two numbers \n ");

    scanf("\n%d \n%d",&a,&b);

    c=a+b;

    printf("\n the sum of the %d and %d is %d",a,b,c);

    getch();
}
```



```
C:\Users\USER\Documents\19BCS0012 NITHISH.G\addition of two no.exe
enter the two numbers
22
22

the sum of the 22 and 22 is 44
```

QNO:2

Program to find simple interest
--

INPUT:

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

```
#include<conio.h>
```

```
void main()
```

```
{
```

```
    float P,N,R,SI;
```

```
    printf("\n enter the principle, number of years of intrest: ");
```

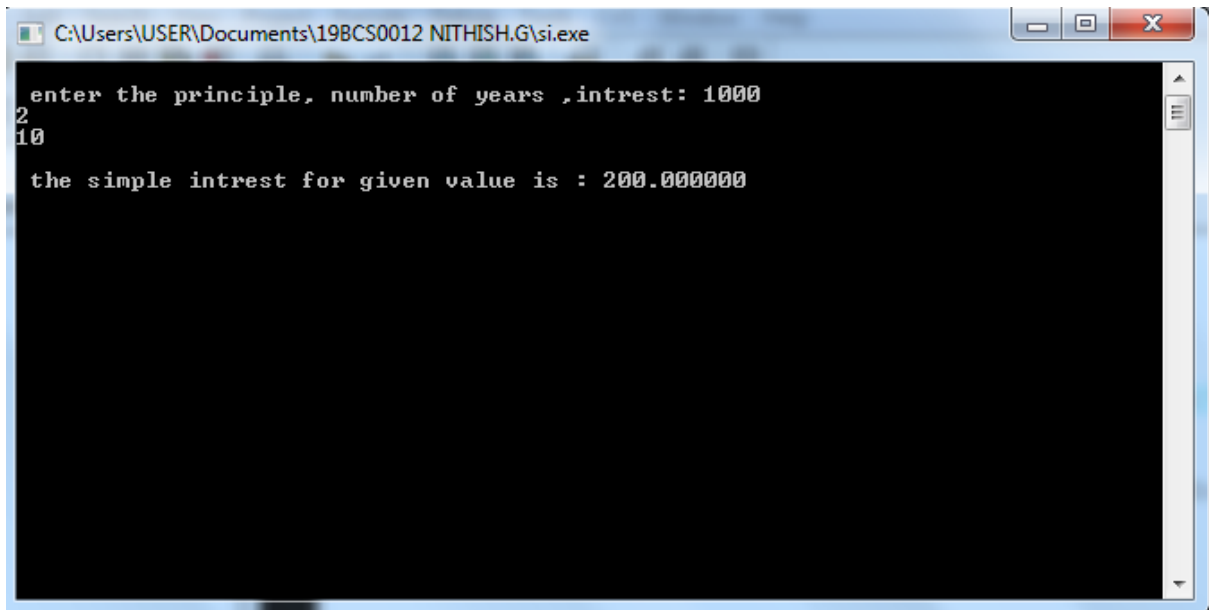
```
    scanf("%f%f%f",&P,&N,&R);
```

```
    SI=(float)(P*N*R)/100;
```

```
    printf("\n the simple intrest for given value is : %f",SI);
```

```
    getch();
```

```
}
```



A screenshot of a Windows command prompt window. The title bar shows the file path "C:\Users\USER\Documents\19BCS0012 NITHISH.G\si.exe". The command prompt displays the following text: "enter the principle, number of years ,intrest: 1000", followed by "2" and "10" on separate lines, and finally "the simple intrest for given value is : 200.000000".

QNO:3

Program to find the volume of sphere

INPUT:

```
#include<stdio.h>

#include<conio.h>

void main()

{

    int r;

    float pi,v;

    pi=3.14;

    printf("enter the value of the radius:");

    scanf("%d",&r);

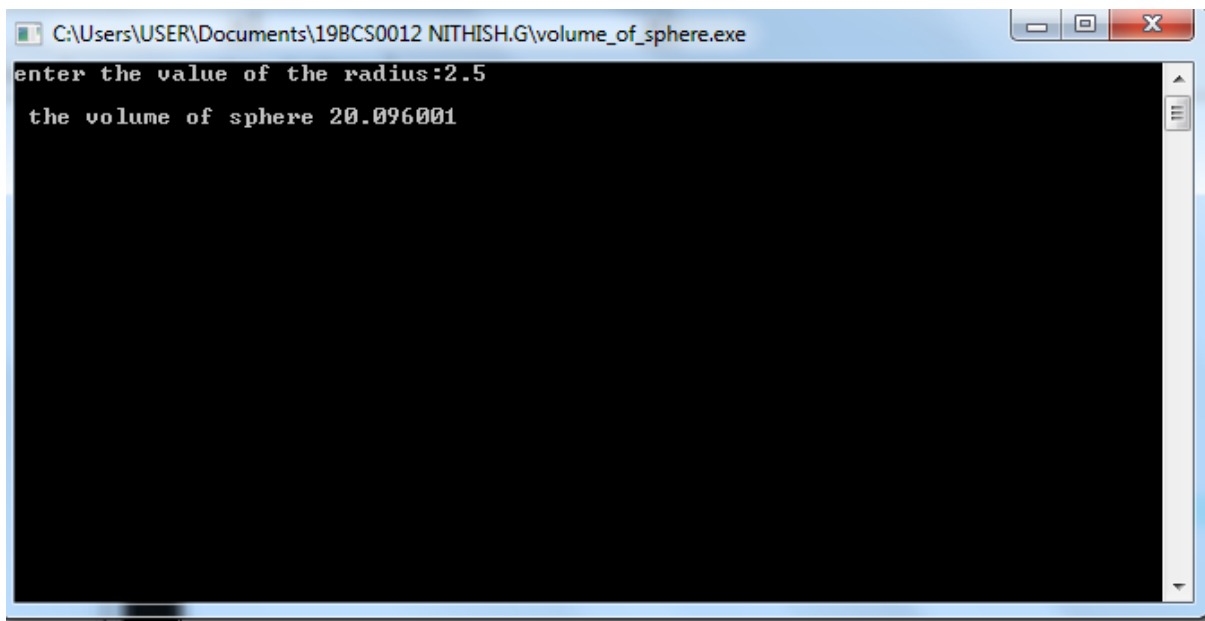
    v=(float)4/5*(r*r*r*pi);

    printf("\n the volume of sphere %f",v);

    getch();
```

OUPUT:

}



Activity-2

QNO-1

C Program to enter two numbers and perform all arithmetic operations, Bitwise operations, logical operations and pre, post increment

INPUT:

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

```
#include<conio.h>
```

```
void main()
```

```
{
```

```
    int a,b,c;
```

```
    printf("\n enter the three numbers:");
```

```
    scanf("%d%d%d",&a,&b,&c);
```

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

```

printf("\n%d+%d=%d",a,b,a+b);

printf("\n%d-%d=%d",a,b,a-b);

printf("\n%d*%d=%d",a,b,a*b);

printf("\n%d/%d=%d",a,b,a/b);

printf("\n%d (%) %d=%d",a,b,a*b);

printf("\n bitwise operators");

printf("\n %d & %d=%d",a,b,a&b);

printf("\n %d | %d=%d",a,b,a|b);

printf("\n%d^%d=%d",a,b,a^b);

printf("\n~%d=%d",a,~a);

printf("\n%d<<1=%d",a,a<<1);

printf("\n%d>>1=%d",b,b>>1);

printf("\n logical operators");

printf("\n (a==b)&&(c>b)=%d",(a==b)&&(c>b));

printf("\n (a==b)|| (c>b)=%d",(a==b)|| (c>b));

printf("\n!(a==c)=%d",!(a==c));

printf("\npreincrement and post increment");

printf("\n %d",a++);

printf("\n %d",++a);

getch();

}

```

OUTPUT

```
C:\Users\USER\Documents\19BCS0012 NITHISH.G\arth.exe

enter the three numbers:1
2
3

arithmetic operators
1+2=3
1-2=-1
1*2=2
1/2=0
1 <> 2=1
bitwise operators
1 & 2=0
1 | 2=3
1 ^ 2=3
~1=-2
1 << 1=2
2 >> 1=1
logical operators
(a==b)&&(c>b)=0
(a==b)!!(c>b)=1
!(a==c)=1
preincrement and post increment
1
3
```

QNO-2

**Conversions Implicit and Explicit
Conversion**

INPUT:

```
#include<stdio.h>

#include<conio.h>

void main()

{

    int a=6;

    float b = a+1.1;

    printf("\nthe implicit is %f",b);

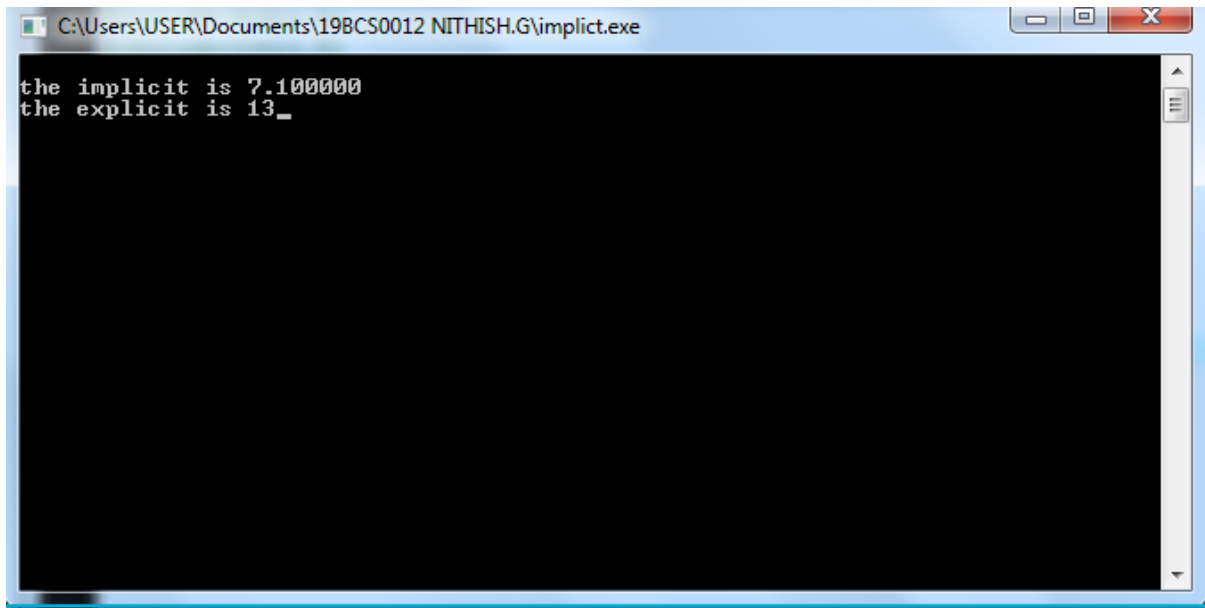
    a=(int)b+a;

    printf("\nthe explicit is %d",a);

    getch();

}
```

OUTPUT:



```
C:\Users\USER\Documents\19BCS0012 NITHISH.G\implicit.exe
the implicit is 7.100000
the explicit is 13_
```

QNO-3

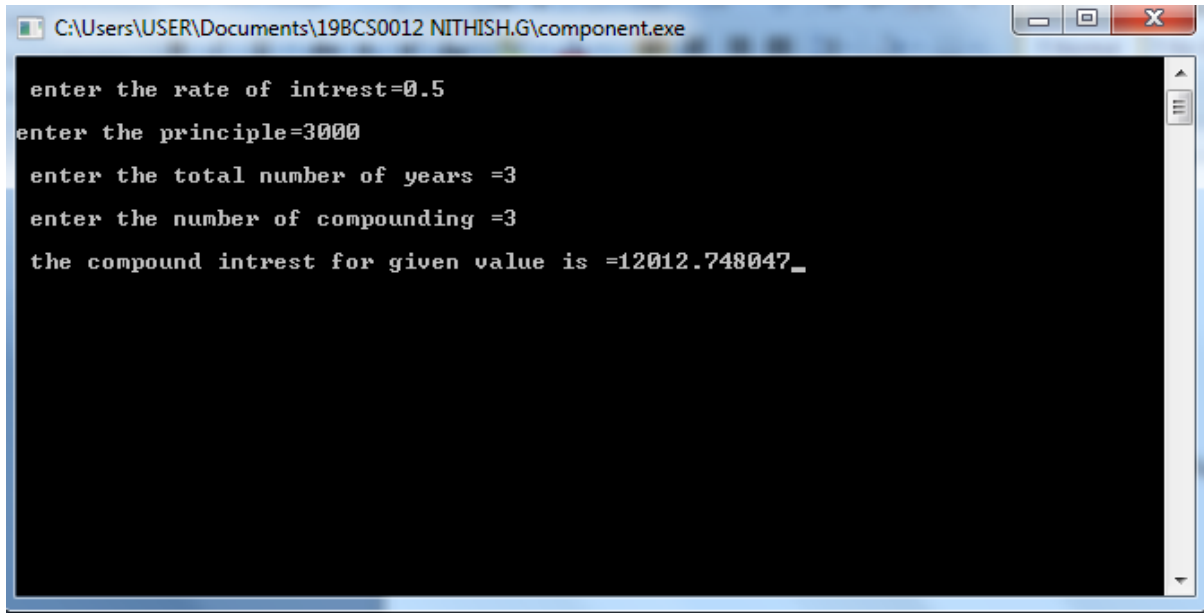
COMPOUND INTREST

INPUT:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    float A,r,P,t,n;
    printf("\n enter the rate of intrest=");
    scanf("%f",&r);
    printf("\n enter the principle=");
    scanf("%f",&P);
    printf("\n enter the total number of years =");
    scanf("%f",&t);
    printf("\n enter the number of compounding =");
    scanf("%f",&n);
    A=(float)P*pow(1+(r/n),(n*t));
```

```
printf("\n the compound intrest for given value is =%f",A);  
getch();  
}
```

Output:



```
C:\Users\USER\Documents\19BCS0012 NITHISH.G\component.exe  
enter the rate of intrest=0.5  
enter the principle=3000  
enter the total number of years =3  
enter the number of compounding =3  
the compound intrest for given value is =12012.748047_
```