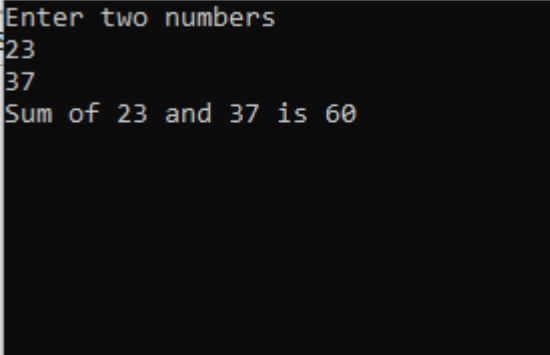# ASSIGNMENT 05

1.
```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int a,b,sum;
    printf("Enter two numbers\n");
    scanf("%d %d",&a,&b);
    sum=a+b;
    printf("Sum of %d and %d is %d",a,b,sum);
    getch();
}
```

```
Enter two numbers
23
37
Sum of 23 and 37 is 60
```
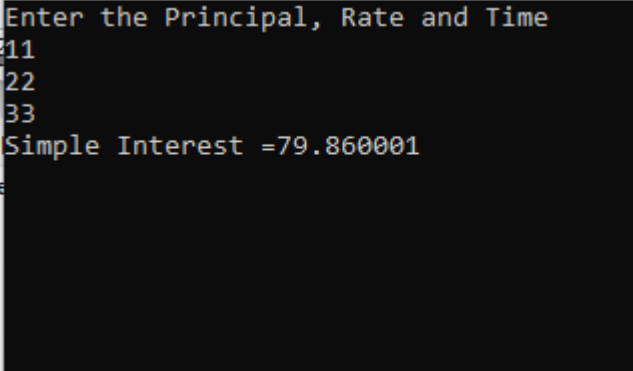
2.
```c
#include<stdio.h>
#include<conio.h>
int main()
{
    float r,area;
    printf("Enter the Radius of the Circle\n");
    scanf("%f",&r);
    area=3.14*r*r;
    printf("Area of the Circle =%f",area);
    getch();
}
```

```
Enter the Radius of the Circle
34
Area of the Circle =3629.840088
```

3.
```c
#include<stdio.h>
#include<conio.h>
int main()
{
    float l,b,h,volume;
    printf("Enter the length, breadth and height of the cuboid\n");
    scanf("%f %f %f",&l,&b,&h);
    volume=l*b*h;
    printf("Volume of the Cuboid =%f",volume);
    getch();
}
```

```
Enter the length, breadth and height of the cuboid
17
23
36
Volume of the Cuboid =14076.000000
```

4.
```c
#include<stdio.h>
#include<conio.h>
int main()
{
    float p,r,t,SI;
    printf("Enter the Principal, Rate and Time\n");
    scanf("%f %f %f",&p,&r,&t);
    SI=(p*r*t)/100;
    printf("Simple Interest =%f",SI);
    getch();
}
```

```
Enter the Principal, Rate and Time
11
22
33
Simple Interest =79.860001
```
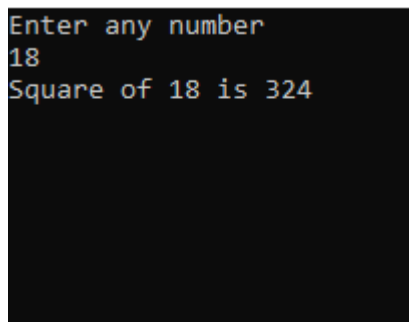
5.
```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int l,b,area;
    printf("Enter the Length and Breadth of the Rectangle\n");
    scanf("%d %d",&l,&b);
    area=l*b;
    printf("Area of the Rectangle =%d",area);
    getch();
}
```

```
Enter the Length and Breadth of the Rectangle
23
36
Area of the Rectangle =828
```

6.
```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int a,b,c;
    float avg;
    printf("Enter three numbers\n");
    scanf("%d %d %d",&a,&b,&c);
    avg=(a+b+c)/3;
    printf("Average =%f",avg);
    getch();
}
```

```
Enter three numbers
12
14
16
Average =14.000000
```

7.
```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int num,square;
    printf("Enter any number\n");
    scanf("%d",&num);
    square=num*num;
    printf("Square of %d is %d",num,square);
    getch();
}
```

```
Enter any number
18
Square of 18 is 324
```
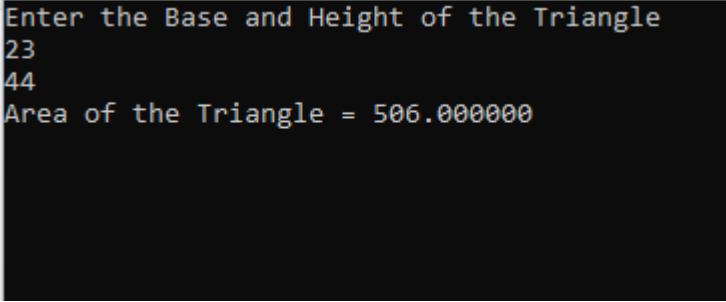
8.
```c
#include<stdio.h>
#include<conio.h>
int main()
{
    char ch;
    printf("Enter any Character\n");
    scanf("%c",&ch);
    printf("ASCII Code = %d",ch);
    getch();
}
```

```
Enter any Character
a
ASCII Code = 97
```

9.
```c
#include<stdio.h>
#include<conio.h>
int main()
{
    float CP,SP,profit;
    float profit_percent;
    printf("Enter the Cost Price and Selling Price of the
Product\n");
    scanf("%f %f",&CP,&SP);
    profit=SP-CP;
    profit_percent=(profit*100)/CP;
    printf("Profit Percentage of the Product %f",profit_percent);
    getch();
}
```

```
Enter the Cost Price and Selling Price of the Product
35
44
Profit Percentage of the Product = 25.714285
```

10.
```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int b,h;
    float area;
    printf("Enter the Base and Height of the Triangle\n");
    scanf("%d %d",&b,&h);
    area=0.5*b*h;
    printf("Area of the Triangle = %f",area);
    getch();
}
```

```
Enter the Base and Height of the Triangle
23
44
Area of the Triangle = 506.000000
```