
1 program to find area of rectangle.

```
//program to find area of rectangle.

#include<stdio.h>
void 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 is %d",area);
}
```

2. program to find area and circumference of circle by defining the value of PI (using symbolic constant)

```
/*program to find area and circumference of circle by defining the value of PI (using symbolic constant).*/
#include<stdio.h>
#define PI 3.142
void main()
{
    float r,area,circum;
    printf("Enter the radius of the circle\n");
    scanf("%f",&r);
    area=PI*r*r;
    circum=2*PI*r;
    printf("Area of circle is %f and circumfernce of circle is %f",area,circum);
}
```

3. program to swap 2 numbers without using temporary variable.

```
/program to swap 2 numbers without using temporary variable.
#include<stdio.h>
void main()
{
    int a,b;
    printf("Enter two numbers \n");
    scanf("%d%d",&a,&b);
    printf("Before swapping a is %d, b is %d\n",a,b);
    a=a+b;
    b=a-b;
    a=a-b;
    printf("After swapping a is %d, b is %d",a,b);
}
```

4. program to to find simple interest.

```
//program to to find simple interest.
#include<stdio.h>
void main()
{
    float p,t,r,si;
    printf("Enter the principal, time and rate of interest \n");
    scanf("%f%f%f",&p,&t,&r);
    si=(p*t*r)/100;
    printf("Simple Interest is %f",si);
}
```

4. C program to convert Celsius to Fahrenheit.

```
//C program to convert Celsius to Fahrenheit.
#include<stdio.h>
void main ()
{
    float temp_c, temp_f;
    printf ("Enter the value of Temperature in Celcius: ");
    scanf ("%f", &temp_c);
    temp_f = (9 * temp_c)/5 + 32;
    printf ("The value of Temperature in Fahreinheit is: %f", temp_f);
    printf("\n Enter the temperature in Fahrenheit: ");
    scanf("%f", &temp_f);
    temp_c = (temp_f - 32)/1.8;
    printf("Celsius temperature is: %f C\n\na", temp_c);
}
```

5. program to swap 2 numbers using temporary variable.

```
//program to swap 2 numbers using temporary variable.
#include<stdio.h>
void main()
{
    int a,b,temp;
    printf("Enter two numbers \n");
    scanf("%d%d",&a,&b);
    printf("Before swapping a is %d, b is %d\n",a,b);
    temp=a;
    a=b;
    b=temp;
    printf("After swapping a is %d, b is %d",a,b);
}
```