**1.** Let'a assume the center of a cicle is (x1,y1) and a point on the circumference is (x2,y2)

Write a complete C program to complete the perimeter and area of the circle

**2.** Distence between two points (x1,y1) is governed by the formula

D=sqrt((x2-x1)^2+(y2-y2)^2)

Write a complete C program to computer D.

**3.** The are of the tringle is given by the formula

A=sqrt(s(s-a)(s-b)(s-c))

Where 2s=a+b+c

Write a complete C program to complete the are of tringle .

**4.** Two end points of one side of a square are (x1,y1) and (x2,y2).

Write a complete program to calculate the leanth of one side of that square and finally find the area of that particular Square.

**5.** Let's assume your program takes two integers 9a,b) as input .

Now Write a complete C program to complete the value of ab .

|  |  |
| --- | --- |
| Sample Input | Sample Output |
| 5 2 | 25 |
|  |  |
|  |  |

**6.** Suppose your elder brother/sister is a medical student . He/She is given an assignment to convert a list of temperature reading from centigrade to Farenheit . Unfortunately , You have got the responsibiliy to complete the task . But you are not scared because you are learning C and you are now more than a "hello World" programmer . Besides , you also known as folmula

|  |  |
| --- | --- |
| Sample Input | Sample Output |
| 0 | 32 |
| 37 | 98.6 |
| 50 | 122 |

**7.** Suppose you have a red box and a blue box . Each box contains an integer value . you can magic to interchange the value of the boxes with the help of a white box and without help of white box .

Now Write a complete C program to do that magic .(Swapping)

and

Write a complete c program to swap to values without using third variable .

8. The formula for calculating the body mass index (BMI) is ,

Create a BMI Calculator application using C programming that reads the user 's weight in kilograms and height

In meters , then calculate and display