

### Question 1

Write a program to input radius of a circle which is a real number from the user. Calculate the area of the circle and print out the result.

Sample run:

```
Please enter the radius: 2
Area is: 12.566371
```

### Question 2

Suppose that you input two sides of a triangle and the angle at the intersection of these. Find the length of the third side. Assume that user enters the angle in degrees.

*Hint:* Use cosine theorem.

Sample run:

```
Please enter the side lengths: 3 4
Please enter the angle (in degrees): 90
The length of the other side: 5.000000
```

### Question 3

Write a complete C program that inputs amount of money in TL from the user and prints the equivalent amount in terms of 10 TL, 5TL and 1TL.

Sample run:

```
Please enter amount of TL: 56
56 TL is equal to 5 10 TL, 1 5 TL and 1 1 TL.
```