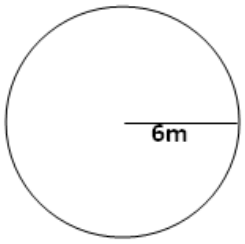
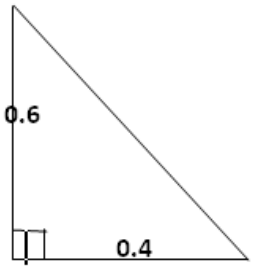
PSP TASK-01

1. Rahul has scored 80 marks in maths. His physics marks are 80% of his maths marks, and his chemistry marks are 90 percent of his physics marks. Write a c program to compute and display his total marks.

2. Write a C program to read student information such as name, registration number, date of joining, semester, and cgpa from the keyboard and print it. It should also check whether the student is eligible for placements.
   Note: Students must be in their sixth or seventh semesters and have a cgpa of at least 7.0 to be eligible for placements.

3. Write a c program to calculate the area and perimeter of the following geometrical figures.





4. Assume that news paper seller boy purchase paper at **3 rs** and sell them for **5 rs**. News paper not sold at the end of the day are sold as a scrap for **1 rs** each. Assume that paper sellar purchase **50** papers each day. Write a C programme that calculates the profit loss from both excess and decreased demand and prints the total loss.
   Note: Assume the demands for the next two days are 40 and 60. Make your model applicable to all demand levels.

5. A. write a c program to take any year as input through the keyboard and to determine whether year is leap year or not.
   B. any 5 digit even number as a input through the keyboard. Write a c program to check whether given number is palidrome or not?.

6. If the three sides of a triangle are entered through the keyboard, write a c program to check whether triangle is isosclaes, equilateral, scalene or right angled triangle.