

## CACS151: C Programming

### Lab Sheet 1

1. WAP to print "Hello World".
2. WAP to perform addition, subtraction, multiplication, division and modulus of given two input numbers.
3. WAP to compute the perimeter and area of a circle with a given radius.
4. WAP to convert specified days into years, weeks and days.
5. WAP that accepts three integers and find the maximum of three.
6. WAP to calculate the distance between the two points. (Note: x1, y1, x2, y2 are all double values.)
7. WAP that convert a temperature from Centigrade to Fahrenheit. ( $C = (5/9) * (F - 32)$ )
8. WAP to find the third angle of a triangle if two angles are given.
9. WAP that takes minutes as input, and display the total number of hours and minutes.
- 10 WAP to find the eligibility of admission for a professional course based on the following criteria:

Eligibility Criteria : Marks in Maths  $\geq 65$  and Marks in Phy  $\geq 55$  and Marks in Chem  $\geq 50$  and Total in all three subject  $\geq 190$  or Total in Maths and Physics  $\geq 140$  ----- Input the marks obtained in Physics :65 Input the marks obtained in Chemistry :51 Input the marks obtained in Mathematics :72 Total marks of Maths, Physics and Chemistry : 188 Total marks of Maths and Physics : 137 The candidate is not eligible.