Programming Tasks for Basic Session

1. Write a program to perform input/output of all basic data types.
2. Write a program to enter two numbers and find their sum.
3. Write a program to enter two numbers and perform all arithmetic operations.
4. Write a program to enter length and breadth of a rectangle and find its perimeter.

   [Hint: 2*(L+B)]
5. Write a program to enter length and breadth of a rectangle and find its area.

[Hint: L*B]

6. Write a program to enter radius of a circle and find its diameter, circumference and area.

   [Hint: D = 2r & C=2*3.14*r & A=3.14*r*r]
7. Write a program to enter length in centimeter and convert it into meter and kilometer.

   [Hint: 1m=100 cm & 1km=100000cm]
8. Write a program to enter temperature in Celsius and convert it into Fahrenheit.

   [Hint: (Celsius * 9/5)+32]
9. Write a program to enter temperature in Fahrenheit and convert to Celsius

   [Hint: (Fahrenheit – 32)*5/9].
10. Write a program to convert days into years, weeks and days.

    [Hint: Year = days/365 & week = (days-(year * 365))/7 & days=days-((years *365) + (weeks *7))]
11. Write a C program to enter two angles of a triangle and find the third angle.

    [Hint: C=180 – (a+b)]
12. Write a program to enter base and height of a triangle and find its area.

    [Hint: area =(base * height)/2]
13. Write a program to enter marks of five subjects and calculate total, average and percentage.
14. Write a program to enter P, T, R and calculate Simple Interest.

[Hint: SI = (P*T*R)/100]

15. Write a program to enter PI , R , H of a Surface Area and find its Cylinder.

[Hint: Cylinder = 2*pi*r*h]

16. Write a program to enter R , L of a Surface Area and find its Cone.

[Hint: Cone = 2*r*l]

17. Write a program to enter R , PI of a Surface Area and find its Sphere.

[Hint: Sphere = 2*pi*r*r]

18. Write a program to enter B , H of a Volume and find its Cylinder.

[Hint: V = b*h]

19. Write a program to enter B , H of a Volume and find its Cone.

[Hint: V = b*h/3]