**PROBLEM SOLVING USING COMPUTERS**

**Lab 1. Sequential Instruction Based C Programs**

1. Program to print “Hello” on the Screen.

Graphical user interface, text, application

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1. Write a program to take an input of two integer numbers and print the sum of that numbers.

A screenshot of a computer

Description automatically generated

1. Convert the time in seconds to hours, minutes and seconds. (1 hr =3600 sec).

A screenshot of a computer

Description automatically generated

1. Find the sum of the digits of a four-digit number (ex 1234 sum=10) (without using a loop).

Text

Description automatically generated

Text

Description automatically generated

1. Convert temperature given in Fahrenheit to Centigrade and Centigrade to Fahrenheit. Hint: C=5/9(F-32)).

Text

Description automatically generated

Graphical user interface, text

Description automatically generated

1. Converting distance in mm to cm, inch, feet (1 cm =10mm, 1inch=2.5cm, 1 feet =12 inches).

A screenshot of a computer

Description automatically generated

1. Find out the distance between two points e.g. (x1, y1) and (x2, y2).

Hint: Distance=√(x2-x1)2+ (y2-y1)2

Text

Description automatically generated

Graphical user interface, text

Description automatically generated

1. Evaluate the area of the circle Area = Pi \* R2

A screenshot of a computer

Description automatically generated

1. Interchange values of two variables using a third variable.

Text

Description automatically generated

1. Interchange values of two variables without using a third variable.

Text

Description automatically generated