

Computer Science & Engineering

E1- SEM-I

PPS LAB WEEK – I

Intructions :

- i) For each program maintain a document, it should include as follows
 - a. Problem statement
 - b. Design (flow chart)
 - c. Implementation (Program in c language)
 - d. Input/Output(Mnimum 3 inputs and outputs)
 - e. Observations
- ii) All the inputs required for the program must be read from key board.

1. Write a C program to print the followig message as

```
***WELCOME ***  
TO  
*** PPS LAB ***
```

2. Write a C program to print addition, subtraction, multiplication and division of any two given integers.

3. Write a C program to swap two given integers.

4. Write a C program to read a character as Input and display the character case.

Sample output: Input : a Output : Lower case

5. Write a C program to interchange the character case.

Sample output : Input : a output : A

Input : X output : x

6. Write a C program to print mulitplication and Division Table of any given numbers using left shift(<<) and right shift(>>) operators.

7. Write a C program to find the greatest of three numbers using Terinary(Conditional) operators.

8. Write a C program to display the area of a Circle.

Note : Area of a circle: $PI * r * r$

9. Write a C program to find the area of a circle and volume of a sphere.

Note : Area = $4*PI*r*r$ Volume = $(4/3) * PI * r * r * r$

10. Write a C program to convert given Centigrade units to Fahrenheit.

Formula : $C=(F-32)/1.8$.

11. Write a C program to read in two integers and display one as a percentage of the other.

Typically your program should look like 20 is 50.00% of 40 assuming that the input numbers were 20 and 40. Display the percentage correct to two decimal places.