National University of Computer and Emerging Sciences



Lab Manual

for

Programming Fundamentals

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# Lab Manual 04

## 

## Objectives

In this lab we will mainly perform activity

While loop

**Problem 1:**

Write a program that display five times your name using while loop

## Problem 2:

Write a program that terminate when the user entered -1 using while loop

Problem 3**:**

Write a program that input a number from user and display table of that number in descending order using while loop.

## Problem 4:

## Write a program that takes starting and ending number from user and finds factorial of that number using while loop.

**Output:**

Enter starting number: 2

Enter ending number: 5

**Number Factorial**

2 2

3 6

4 24

5 120

**Problem 5:**

Write a program that display the sum of the following series using while loop.

1+1/2 + 1/4 + 1/6 + 1/8 + ……… + 1/100

**Output:**

Sum is 3.249602

**Problem 6:**

Write a program to display a table of equivalent temperature in Fahrenheit and Celsius from 150F TO 200F with an increment 7 by using while loop.

**Formula:**

C = 5/9 \* (f-32)

**Output:**

**Fahrenheit**  **Celsius**

150 65.556

157 69.444

164 73.333 .

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199 92.778

## Problem 6:

**Problem 7:**

Write a program that displays the following using while loop.

**Output:**

1

2 2

3 3 3

4 4 4 4

5 5 5 5 5