National University of Computer and Emerging Sciences

Lab Manual

for

Programming Fundamentals

Course Instructor	Ms. Amina Batool
Lab Instructor(s)	Ms. Mamoona Akbar Ms. Sonia Anum
Section	PF C
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Department of Computer Science
FAST-NU, Lahore, Pakistan

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
.	
.	
.	
.	
199	92.778

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
```