**Operating System**

**Lab Report**

**Lab 10**



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| --- | --- |
| Group Members Name & Reg #: | **Muhammad Haris Irfan**  **(FA18-BCE-090)** |
|  |  |
| Class | Operating System (**BCE-5B**) |
| Instructor’s Name | Sir Wasif |

**In Lab Tasks**

**Question 1: Activity 1:**

**Write a program in C++ to create and terminate threads.**

**Solution:**

* Code is given below:

**Graphical user interface, text

Description automatically generated**

The Terminal Output is given below,

Text

Description automatically generated

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Question 2: Activity 2:**

## Passing Arguments to Threads

**Solution:**

* Code is given below:

Graphical user interface, text

Description automatically generated

The Terminal Output is given below,

Text

Description automatically generated

## \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Question 3: Activity 3:**

## Joining and Detaching Threads

**Solution:**

* Code is given below:

Graphical user interface, text, application

Description automatically generated

The Terminal Output is given below,

Text

Description automatically generated

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**Question 4: Activity part 1:**

## Peterson solution for 2 processes critical section problem

**Solution:**

* Code is given below:

Graphical user interface, text

Description automatically generated

The Terminal Output is given below,

Text

Description automatically generated

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**Question 4: Activity part 2:**

**Modified Code**

**Solution:**

* Code is given below:

Graphical user interface, text, application

Description automatically generated

The Terminal Output is given below,

Text

Description automatically generated

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