**Operating System**

**Lab Terminal Exam**



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|  |  |
| Class | Operating System (**BCE-5B**) |
| Instructor’s Name | Sir Wasif |

**Tasks**

**Question 1: Activity 1:**

**This activity is related to process monitoring in Linux**

**1. Display all the process in current shell**

**2. Display every active process in the system**

**3. Provide a full-format listing of process owned by you**

**4. Display a full-format listing of processes owned by user ubuntu**

**5. Display a process with id 1**

**6. Display the dynamic view of the current processes in the system and set the refresh interval 0.5 second**

**7. Display the dynamic view of the processes owned by user with id 999 (or name ubuntu)**

**8. Start the gedit program in background and then bring it foreground**

**9. Suspend the gedit program**

**10. Resume the gedit program**

Text

Description automatically generated**Solution:  
1)** The Terminal Output is given below,

**2)** The Terminal Output is given below,

Text

Description automatically generated**3)** The Terminal Output is given below,A screen shot of a computer

Description automatically generated

**4)** The Terminal Output is given below,

A screenshot of a computer

Description automatically generated

**5)** The Terminal Output is given below,

Text

Description automatically generated

**6)** The Terminal Output is given below,

Text

Description automatically generated

A picture containing text

Description automatically generated

**7)** The Terminal Output is given below,

Text

Description automatically generated

**8)** The Terminal Output is given below,

Text

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**9)** The Terminal Output is given below,

Text

Description automatically generated

**10)** The Terminal Output is given below,

Text

Description automatically generated

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**Question 2: Activity 2:**

**Perform the following tasks**

**1. Start the gedit program with priority 90**

**2. Reset the priority of gedit to 65**

Solution:

1) The Terminal Output is given below,

Text

Description automatically generated

2) The Terminal Output is given below,

**Text

Description automatically generated**

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**Question 3: Activity 3:**

Write a program in C++ that find the maximum and minimum number from an array.

Solution:

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Graphical user interface, text, application, email

Description automatically generated

Text

Description automatically generated

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**Question 4: Activity 4:**

Change the above program such that it accepts the input at command-line.

Solution:

Text

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Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

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