SAP Id: 500091584 Course: CSE DevOps (Hons.)

Roll No: R2142210822 Program & Sem: B.tech & 3rd

Name: Ujjwal Kumar Gupta Session: 2021-25

## **INDEX**

S.No.	Experiment No.	Title	Date of Performance	Date of Submission	Remarks (By Faculty)
1	2	Basic Java Programming	17 / 08 / 2022	17 / 08 / 2022	

Note: 1. Submit your original work otherwise you will lose marks.

- 2. Submit all your experiments into a single file
- 3. The submission must be properly compiled and in provided format only

<b>Experim</b>	ient No.	2

**Date of performance: 17 / 08 / 2022** 

**Date of Submission: 17 / 08 / 2022** 

SAP Id: 500091584

Roll No.: R2142210822

Name of the Student: Ujjwal Kumar Gupta

- 1. Title: Basic Java Programming
- 2. Objective:
- 3. List of lab activities: 1) Write a program to find the largest of 3 numbers.
  - 2) Write a program to implement a command line calculator.
  - 3) Write a program using classes and object in java.
  - 4) Write a program to accept 10 student's marks in an array, arrange it into ascending order, convertinto the following grades and print marks and grades in the tabular form.Between 40 and 50: PASSBetween 51 and 75: MERITand above: DISTINCTION
- 4. Algorithm/Flowchart and Code followed by Output screenshot (2samples for each program):

```
OUTPUT TERMINAL JUPYTER DEBUG CONSOLE
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Ujjwal\Documents\starting> cd "c:\Users\Ujjwal\Documents\starting\src\Expart avac Greatesthree.java } ; if ($?) { java Greatesthree }

65

PS C:\Users\Ujjwal\Documents\starting\src\Experiment 2>

Ln 26, Col 2 Tab Size: 4
```

```
J cmdcal.java 

×

ORS
                                                                          1 import java.util.*;
 ndcal.iava src\E...
                                                                                                   public class cmdcal {
                                                                                                                       void cal()
                                                                                                                                               Scanner s1 = new Scanner(System.in);
                                                                                                                                               int a = s1.nextInt();
iment 2
bj.class
                                                                                                                                               int b = s1.nextInt();
bj.java
                                                                  OUTPUT TERMINAL JUPYTER DEBUG CONSOLE
 cal.class
                                                                   PS C:\Users\Ujjwal\Documents\starting\src\Experiment 2> cd "c:\Users\Ujjwal\Documents\Starting\src\Experiment 2> cd "c:\Users\Ujjwal\Documents\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Starting\Star
                                                                  2\" ; if ($?) { javac cmdcal.java } ; if ($?) { java cmdcal }
b.class
b.java
                                                                  subtraction of 4 and 5=-1
de.class
                                                                  multiplication of 4 and 5=20
de.java
                                                                  division of 4 and 5=0.0
 testhree.class
                                                                 PS C:\Users\Ujjwal\Documents\starting\src\Experiment 2>
```

```
<del>C</del>

✓ OPEN EDITORS

                              1 import java.util.Scanner;
     ∨ STARTING
                                        int add;
                                        int sum(int a, int b) {
   add = a + b;
                                             System.out.println(a + b);
       J cmdcal.class
        J cmdcal.java
                                        public static void main(String[] args)
                                              Scanner s1 = new Scanner(System.in);
         int b = s1.nextInt();
                                             clsobj c1 = new clsobj();
ans = c1.sum(a, b);
                                             s1.close();
         J calender.java
         J comb123.class
         J divisibilty.cla
```

```
ass Copyright (C) Microsoft Corporation. All rights reserved.

Va 1

class Try the new cross-platform PowerShell https://aka.ms/pscore6

iava PS C:\Users\Ujjwal\Documents\starting> cd "c:\Users\Ujjwal\Documents\s

avac clsobj.java }; if ($?) { java clsobj }

Va 100

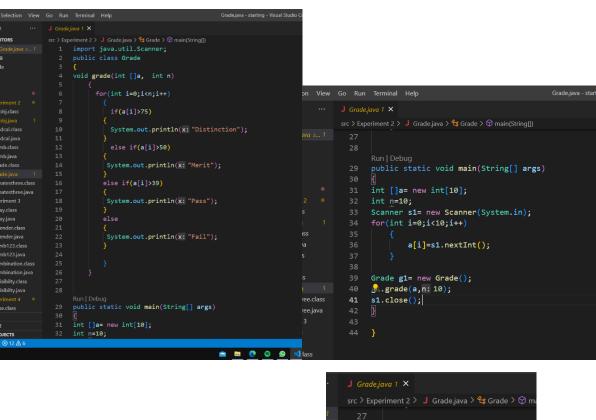
lass 250

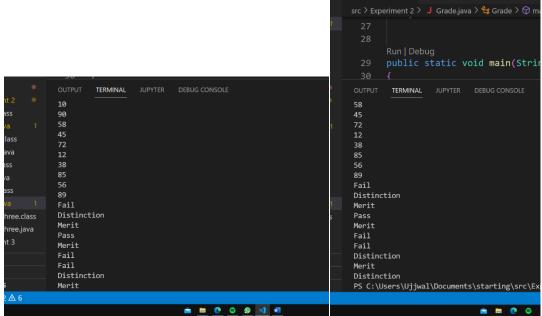
PS C:\Users\Ujjwal\Documents\starting\src\Experiment 2>

three.class

three.class

three.java
```





## 5. Brief notes about all the concepts related to the lab experiment

- Initialize array:Int [] a
- Objects of the method by "new" and calling it in main method.
- For taking user input Scanner should be imported.