**CP PRACTICAL - 5**

*Instructions:*

Write solutions including outputs for the following questions in a word processor and upload on Google classroom by 4 PM today (1st October, 2020).

SQL

1. Create a table called Persons with field names ID, Name, Age and Salary with data types char/int, char, int and decimal respectively. The columns Name is Not Null and ID is Unique. Write queries to:

(i) Insert 5 meaningful entries.

(ii) Add a column called Round\_salary and whose values are rounded integral values of corresponding salary.

(iii) Find sum of salary and sum of round\_salary.

(iv) Delete the not null constraint from column Name.

(v) Delete the table.

2. Read about Primary Key constraint.

(Paste images of SQL query results.)

Java

1)Write a java program to print the following patterns.

1. $ $ $ $ $

$ $ $ $

$ $ $

$ $

$

1. 1

2 3

4 5 6

7 8 9 10

11 12 13 14 15

1. \*

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\* \* \* \*

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2) Write a java program to find the mean, mode, max, min of n numbers. Accept these numbers from the user.

3) Write a java program to find and display only prime numbers from a given set of positive integers. Accept these numbers from the user.

4) Write a java program to find whether a particular element is present in an array or not and display the message accordingly.

5) Write a java program to print an array in reverse order.

6) Write a Java program to find the number of even and odd integers in a given array of integers.