**CP PRACTICAL - 2**

*Instructions:*

Write solutions for the following questions in a word processor and upload on Google classroom by 4 PM today (27th august, 2020).

SQL

1. Create an SQL table Friends with columns Lname, Fname, city and age with suitable datatypes. Write SQL queries to:

(i) insert 5 meaningful records into the table.

(ii) display fname and lname with age lying between 20 and 30 or city is Mumbai.

(iii) delete an entry where the city is Chennai.

(iv) display the average of age and name that as Avg\_age

(v) display the count of entries by grouping them according to cities.

2. Create a table Item with field names item\_no, description, qty\_on\_hand, roq, rodate, unit\_price. The columns item\_no and description are char type, rodate has type datetime and others are of integer type. Write SQL queries to:

(i) insert 5 meaningful records into the table.

(ii) display the table when the rodate is between the dates ’15-Jul-1015’ and ’05-Oct-2015’.

(iii) change the data type of the column unit\_price to float.

(iv) add a column called total\_price with data type decimal(10,2)

(v) update the column total\_price whose entries are product of corresponding roq and unit\_price.

Java

Write a program in java to (input values to the variables using command line arguments)

1. Find and display quotient and Remainder of a division.
2. Find and display maximum of two numbers.
3. Check whether an integer is a multiple of 2, 3 or 5.
4. Check whether two numbers are congruent module 8.
5. Check whether an character/symbol is a alphabet or not.
6. Check whether a number is positive, negative or zero.
7. convert

i. double type variables to int type.

ii. int type variables to char type.

1. Find and display the discount price of a pen if it costs 58 and it is been sold at a discount of 12%.
2. Check whether 3 numbers forms the sides of a right angled triangle or not.
3. Find and display the sum of squares of first n natural numbers without using a loop