Topic : MySQL – REVISION OF CLASS XI
Lab Work Sheet : 1

Type and execute SQL commands to do the following :

1.	Create a table STUDENT with the following fields : Rollno (int), Name (varchar(20)), Gender (char(1)) and Marks (Decimal(4,1))
2.	Add the following rows to the table {{TABLE2}}
3.	Display the structure of the table
4.	Display details of the male students who have secured less than 90.
5.	Display all the details in descending order of marks and in ascending order of Name.
6.	Add a new column Grade (char(1)) to the table.
7.	Set the Grade as 'A' for those students whose mark is above 90.
8.	Display the names of the students who do not have a grade.
9.	Delete the students whose mark is below 80.
10.	Change name to "Anitha" and marks to 89.0 of the student whose roll number is 2.

Table for item 2:

Rollno	Name	Gender	Marks
1	Akshay	M	93.5
2	Amita	F	87.0
3	Deepa	F	86.5
4	Ravi	M	77.0
5	Jatinder	M	91.0
6	Neela	F	77.0

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SENIOR SECTION
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CLASS XII (2020-2021)
Topic : MySQL
Lab Work Sheet : 2

Type and execute SQL commands to do the following :

1.	Create the following table STOCK with Itemno as the Primary key and store the given data in it. <table><tr><td>Itemno</td><td>Name</td><td>DCode</td><td>Qty</td><td>UnitPrice</td><td>StockDate</td></tr><tr><td>5005</td><td>Ball Pen 0.5</td><td>102</td><td>100</td><td>16</td><td>2010-03-31</td></tr><tr><td>5009</td><td>Ball Pen 0.25</td><td>102</td><td>150</td><td>20</td><td>2010-01-01</td></tr><tr><td>5002</td><td>Gel Pen Premium</td><td>101</td><td>125</td><td>14</td><td>2010-02-14</td></tr><tr><td>5006</td><td>Gel Pen Classic</td><td>101</td><td>200</td><td>22</td><td>2009-01-23</td></tr><tr><td>5001</td><td>Eraser Big</td><td>103</td><td>210</td><td>5</td><td>2014-02-10</td></tr><tr><td>5004</td><td>Sharpener Classic</td><td>102</td><td>60</td><td>7</td><td>2015-11-24</td></tr><tr><td>5003</td><td>Eraser Small</td><td>103</td><td>160</td><td>8</td><td>2001-03-09</td></tr></table>
2.	Display sum and average Qty DCode wise.
3.	Display the number of items dealer wise.
4.	Display Itemno, Qty and UnitPrice in descending order of Qty.
5.	Display the DCode and the average UnitPrice of the Dealers who has supplied more than 2 items, DCode wise.
6.	Display maximum and minimum UnitPrice DCode wise.

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Topic : MySQL
Lab Work Sheet : 3
Type and execute SQL commands to do the following :

1.	Create the following table STUDENT with Grno as the Primary key and store the given data in it.					
	Grno	Name	Gender	Marks	Class	DOB	Stream
	1	Raj Kumar	M	93	12	2000-11-17	Science
	2	Deep Singh	M	98	12	1996-08-22	Humanities
	3	Ankit Sharma	M	76	11	2000-02-02	Commerce
	4	Radhika Gupta	F	78	12	1999-12-03	Science
	5	Payal Goel	F	82	11	2000-01-14	Humanities
	6	Diksha Sharma	F	80	11	1997-10-08	Commerce
	7	Shreya Anand	F	70	12	2000-12-22	Science

2.	Display the number of female students whose DOB is in the year 2000.
3.	Display the number of students in each stream which has at least 3 students in it.
4.	Display the month of DOB for class 11 female students.
5.	Display the name of the current month and the day of DOB for the Commerce stream male students.
6.	Display sum and average marks in each stream.

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CLASS XII (2020-2021)
Topic : MySQL - FUNCTIONS
Lab Work Sheet : 4
Type and execute SQL commands to do the following :

1.	Create the following table PLAYERS with S_Id as the Primary key and store the given data in it.

S_Id	Name	Gender	Package	Game
1	Kanchan Singh	F	101.5	Hockey
2	Naveen Kumar	M	98.5	Cricket
3	Rohan Shyam	M	76.7	FootBall
4	Rekha Gupta	F	178.8	Hockey
5	Kavya Vyas	F	82.2	Cricket
6	Leena George	F	80.1	Cricket
7	Mohit Sharma	M	70.0	FootBall

2.	Display the package rounded to the nearest integer, along with the name of hockey players.
3.	Display the position of the string "Sh" in the names of male cricket players.
4.	Display 4 characters extracted from the 2nd character of the field Game for those players whose name ends with 'a'
5.	Display the names of those players whose package is less than 80 in upper case
6.	Display S_Id and last five characters from the names of the players in descending order of their package.