

Class 12
10-5-2016

First Unit Test in INFORMATICS PRACTICE

Time : 1 hr.
M. Marks : 20

1.a) Consider the following table name "GARMENT". Write command of SQL from (i) to (iv) and output for (v) to (vii).

Table: GARMENT

GCODE	GNAME	SIZE	COLOUR	PRICE
111	TShirt	XL	Red	1400.00
112	Jeans	L	Blue	1600.00
113	Skirt	M	Black	1100.00
114	Ladies Jacket	XL	Blue	4000.00
115	Trousers	L	Brown	1500.00
116	Ladies Top	L	Pink	1200.00

- I. To display name of those garments that are available in 'XL' size [1]
- II. To display codes and names of those garments that have their names starting with 'Ladies'. [1]
- III. To display garment names, codes and prices of those garments that have price in the range 1000.00 to 1500.00 (both 1000.00 and 1500.00 included). [1]
- IV. To change the colour of the garment with code as 116 to "Orange". [1]
- V. SELECT COUNT(DISTINCT SIZE) FROM GARMENT [1]
- VI. SELECT AVG (PRICE) FROM GARMENT; [1]
- VII. SELECT GNAME FROM GARMENT WHERE SIZE IN ('M', 'L') AND PRICE>1500; [1]
- b) What is the degree and cardinality of 'Garment table'. [1]
- c) What is the transaction? Which command is used to make changes done by a transaction permanent]on a database? [2]

2.a) Write MySQL command to create the Table 'LIBRARY' with given constraints.

Table: LIBRARY

COLUMN_NAME	DATATYPE (SIZE)	CONSTRAINT
BookId	Int(10)	Primary Key
BookName	Varchar(40)	Not Null
Type	Char(4)	
Author	Varchar(40)	
No_Copies	Int(6)	
Price	float(8,2)	

b) In a Database Company, there are two tables given below:

Table: SALES

SALESMANID	NAME	SALES	LOCATIONID
S1	ANITA SINGH ARORA	250000	102
S2	Y.P.SINGH	1300000	101
S3	TINA JAISWAL	1400000	103
S4	GURDEEP SINGH	1250000	102
S5	SIMI FAIZAL	1450000	103

Table: LOCATION

LOCATIONID	LOCATIONNAME
------------	--------------

101	Delhi
102	Mumbai
103	Kolkata
104	Chennai

Write SQL queries for the following:

- I. To display SalesmanID, names of salesman, LocationID with corresponding location names. [2]
- II. To display names of salesman, sales and corresponding location names who have achieved Sales more than 130000. [2]
- III. To display names of those salesmen who have 'SINGH' in their names. [2]
- IV. Identify Primary key in the table SALES. Give reason for your choice. [1]
- V. Write a SQL command to change the LocationID to 104 of the Salesman with ID as S3 in the table 'SALES'. [1]

-X-X-X-X-X-