



# St. Xavier's Sr. Sec. School

Delhi-54

Class 12  
13-5-2015

First Unit Test in INFORMATICS PRACTICES

Time : 1 hr.  
M. Marks : 20

1. Answer the following based on INTERIORS table:

TranNo	SupNo	ItemCode	QtySupplied	InsentiveGiven	DateOfSupply
101	S01	I01	5	70	2006-01-06
102	S03	I01	6	100	2006-01-21
103	S01	I02	2	80	2006-04-30
104	S02	I05	1	50	2006-04-17
105	S03	I03	7	100	2006-08-22
106	S01	I02	9	120	2006-11-15
107	S02	I02	3	60	2006-09-11

a) Write the MySQL commands :-

- I. Display total InsentiveGiven and average QtySupplied for each ItemCode [1]
- II. Display lowest InsentiveGiven and number of ItemCode grouped on SupNo [1]
- III. Display the total number of items for same SupNo and same DateOfSupply [1]
- IV. Display total quantity supplied ItemCode wise. [1]

b) Give the output of the following MySQL commands :-

- I. Select SUM(QtySupplied) from INTERIORS; [1]
- II. Select MAX(InsentiveGiven) from INTERIORS; [1]
- III. Select COUNT(Distinct ItemCode) from INTERIORS; [1]
- IV. Select AVG(InsentiveGiven) from INTERIORS where DateOfSupply LIKE '%04%'; [1]

2. Table: CUSTOMER

Booking_Code	Customer_Name	No_of_tkts	BClerk_Code
B001	Veer	4	BC005
B002	Milan	2	BC004
B003	Jahmu	3	BC006
B004	Michal	20	BC002
B005	Meera	5	BC001

Table: BCLERK

BClerk_Code	Name
BC001	Varsha
BC002	Richeal
BC003	Vineet
BC004	Payal
BC005	Nisha

- a) Identify the primary key and foreign key column in the table customer. [1]
- b) Check every value in BClerk\_Code column of both the tables. Do you find any discrepancy? Explain [1]
- c) What will be the degree and cardinality of cross join (Cartesian product) of these tables. [1]



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3. Answer the following based on Table Supplier given below.

Scode	Pname	Supname	Qty	City	Price
101	Coffee	Nestle	200	Kolkata	55.00
102	Biscuit	Hide & Seek	100	Delhi	10.00
103	Jam	Kissan	110	Kolkata	25.00
104	Maggi	Nestle	150	Mumbai	10.00
105	Chocolate	Cadbury	170	Delhi	25.00
106	Sauce	Maggi	56	Mumbai	55.00
107	Cake	Britannia	72	Delhi	10.00

a) Write the MySQL commands :-

- I. Display the difference of highest and lowest price of products whose city is 'Delhi' . [1]
- II. Display Supplier code, Product name and City of the products whose quantity is less than 150. [1]
- III. Display total number of unique city in the table. [1]
- IV. Insert a new row in the table Supplier with values given below [1]

Scode	Pname	Supname	Qty	City	Price
110	Bournvita		170		40.00

b) Give the output of the following MySQL commands :-

- I. Select Sum(price) from Supplier where Pname IN ("Biscuit", "Maggi"); [1]
- II. Select Avg(Qty) from supplier where scode>105; [1]
- III. Select max (Price) from Supplier where City = "Kolkata"; [1]
- IV. Select Count(\*), Count(supName) from Supplier; [2]  
{ give reason for the output of part IV }

-X-X-X-X-X-