Assignment : 01

CREATE TABLE student(

ADMN INT PRIMARY KEY,

NAME VARCHAR(20),

STREAM VARCHAR(20),

OPTIONAL VARCHAR(20),

AVERAGE INT

);

INSERT INTO student

VALUES (1001, 'Shrishti', 'Science', 'CS', 90),

(1002, 'Ashi', 'Humanities', 'Maths', 80),

(1003, 'Aditya', 'Commerce', 'IP', 60),

(1004, 'Ritu Raj', 'Science', 'IP', 65),

(1005, 'Sonali', 'Commerce', 'Maths', 60),

(1006, 'Saumya', 'Science', 'IP', 65),

(1007, 'Ashutosh', 'Science', 'IP', 95),

(1008, 'Prashant', 'Commerce', 'P.ED', 80),

(1009, 'Aman', 'Commerce', 'IP', 70),

(10010, 'Rishab', 'Humanities', 'P.ED', 85);

*-- 1. To display the details of all those students who have IP as their optional subject.*

SELECT \*

FROM student

WHERE OPTIONAL = 'IP';

*-- 2. To display name, stream and optional of all those students whose name starts with “A‟.*

SELECT NAME,

STREAM,

OPTIONAL

FROM student

WHERE NAME LIKE 'A%';

*-- 3. To give an increase of 3 marks in the average of all those students of humanities section*

*-- who have Maths as their optional subject.*

UPDATE student

SET AVERAGE = AVERAGE + 3

WHERE STREAM = 'Humanities'

AND OPTIONAL = 'Maths';

*-- 4. To display a name list of all those students who have average more than 75.*

SELECT NAME

FROM student

WHERE AVERAGE > 75;

*-- 5. To display names of Students whose names are four characters long.*

SELECT NAME

FROM student

WHERE LENGTH(NAME) = 4;

*-- 6. To display the names of students who have both science and commerce and average is*

*-- more than 70*

SELECT NAME

FROM student

WHERE STREAM = 'Science'

AND OPTIONAL = 'Commerce'

AND AVERAGE > 70;

*-- 7. To begin the names with A from the table, display them only*

SELECT NAME

FROM student

ORDER BY NAME ASC;

Assignment: 02

CREATE TABLE infant (

ItemCode INT NOT NULL PRIMARY KEY,

Item VARCHAR(20),

DatePurchase DATE,

UnitPrice INT,

Discount INT

);

INSERT INTO infant

VALUES (101, 'Frock', '2016-01-23', 700, 10),

(102, 'Cot', '2015-09-23', 5000, 25),

(103, 'Soft Toy', '2016-06-17', 800, 10),

(104, 'Baby Socks', '2014-10-16', 100, 7),

(105, 'Baby Suit', '2015-09-20', 500, 5);

*-- 1. Write a query to display the details about the Cot and baby suit*

SELECT \*

FROM infant

WHERE Item = 'Cot'

OR Item = 'Baby Suit';

*-- 2. Write a query to display the names of items and their unit price that have unit price*

*-- less than 800 and discount more than 5%.*

SELECT Item,

UnitPrice,

Discount

FROM infant

WHERE UnitPrice < 800

AND Discount > 5;

*-- 3. Write a query to display the names of items and their date of purchase that were*

*-- purchased after 31stDecember, 2015.*

SELECT Item,

DatePurchase

FROM infant

WHERE DatePurchase > '2015-12-31';

*-- 4. Write a query to display the number of items that have more than 10% as discount.*

SELECT **COUNT**(\*)

FROM infant

WHERE Discount > 10;

*-- 5.Write a query to display the item code and unit price in descending order of unit*

*-- price.*

SELECT ItemCode,

UnitPrice

FROM infant

ORDER BY UnitPrice DESC;

*-- 6. Write a query to increase the unit price of each item by 10% of their unit price.*

UPDATE infant

SET UnitPrice = UnitPrice \* 1.1;

*-- 7. Write a query to display the names of items that have “Baby‟ anywhere in their item*

*-- names.*

SELECT Item

FROM infant

WHERE Item LIKE '%Baby%';

*-- 8. Write a query to display the highest unit price of item*

SELECT **MAX**(UnitPrice)

FROM infant;

*-- 9. Write a query to show all items in ascending order of the items*

SELECT \*

FROM infant

ORDER BY Item;