/\*q)CREATE SCHEMA \*/

create SCHEMA assignment;

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***q)CREATE table student details**\*/

create table studentdetail

(

id int not null auto\_increment,

txtname varchar(50) not null,

txtdistrict varchar(50) ,

txtstatus varchar(10),

primary key (id)

);

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***q)CREATE table subject**\*/

create table subject

(

id int not null auto\_increment,

txtsubject varchar(50) not null,

refstudentid int,

primary key (id),

foreign key (refstudentid) references studentdetail(id)

);

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***q)CREATE table marks**\*/

create table marks

(

id int not null auto\_increment,

txtmarks int not null,

refsubjectid int,

refstudentid int,

primary key (id),

foreign key (refsubjectid) references subject(id),

foreign key (refstudentid) references studentdetail(id)

);

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q )insert into student details**\*/

insert into studentdetail(txtname,txtdistrict,txtstatus)

values ('anil','tvm', ''),('ajay','klm', ''),('hari','tcr', ''),('arun','clt', ''),('babu','ekm', '')

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Alter subject table**\*/

ALTER TABLE subject

DROP COLUMN refstudentid;

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Insert Subjects**\*/

insert into subject(txtsubject)

values ('English'),('maths'),('Science'),('History'),('Chemistry')

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Insert Marks**\*/

insert into marks(txtmarks,refsubjectid,refstudentid)

values (20,1,1),(30,2,1),(10,3,1),(44,4,1),(32,5,1)

insert into marks(txtmarks,refsubjectid,refstudentid)

values (28,1,3),(29,2,3),(44,3,3),(36,4,3),(28,5,3), (18,1,5),(25,2,5),(26,3,5),(19,4,5),(29,5,5)

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Change ajay to ajaykumar**\*/

update studentdetail

set txtname=('ajaykumar')

where txtname=('ajay')

SET SQL\_SAFE\_UPDATES = 0;

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Change district for student id=3 to wynd** \*/

**update studentdetail**

**set txtdistrict=('WYND')**

**where id=3**

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Change marks for marks <20 to 20**\*/

update marks

set txtmarks=20

where txtmarks <20

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Select student with max marks for science**\*/

**SELECT max(txtmarks)**

**FROM marks join subject**

**on marks.refsubjectid=subject.id**

**WHERE txtsubject='science';**

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Select student with max marks for science**\*/

**SELECT studentdetail.txtname,marks.txtmarks**

**FROM studentdetail join marks join subject**

**on marks.refsubjectid=subject.id and marks.refstudentid=studentdetail.id**

**WHERE txtsubject='science' order by txtmarks desc ;**-

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Select student with max marks for English and display name and subject**\*/

**SELECT txtname ,txtsubject,txtmarks**

**FROM studentdetail join marks join subject**

**on marks.refsubjectid=subject.id and marks.refstudentid=studentdetail.id**

**WHERE txtsubject='english' order by txtmarks desc limit 1;**

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Select student with max marks for English and display name and subject**\*/

SELECT studentdetail.id ,studentdetail.txtname,sum(txtmarks)

FROM studentdetail join marks join subject

on marks.refsubjectid=subject.id and marks.refstudentid=studentdetail.id

group by studentdetail.id order by sum(txtmarks) desc ;

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Create Schema**\*/

Create schema assignment ;

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Create table product name**\*/

Create table tblproductname (

id int auto\_increment Not Null ,

txtProductname Varchar(50) Not Null,

Primary key(id)

);

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Create table product stock**\*/

Create table tblproductstock (

id int auto\_increment Not Null ,

refproductname int,

txtVariation Varchar(50) Not Null,

txtstockqty int not null,

Primary key(id),

foreign key (refproductname) references tblproductname(id)

);

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Insert table product name**\*/

Insert into tblproductname(txtProductname)

values ('Casualshirt'),('Formalshirt'),('T-shirt'),('Pant'),('Suit');

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Insert table product stock**\*/

Insert into tblproductstock(refproductname,txtVariation,txtstockqty)

values

(1,'Medium',45),

(1,'Large',60),

(2,'Small',56),

(2,'Medium',80),

(2,'Large',55),

(3,'Small',46),

(3,'Medium',48),

(3,'Large',47),

(4,'large',60)

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Display all stock**\*/

select sum(txtstockqty)

from tblproductstock;

select txtProductname,sum(txtstockqty)

from tblproductstock join tblproductname

on tblproductname.id=tblproductstock.refproductname

group by txtProductname;

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Display stock of formal shirt**\*/

select txtProductname,txtVariation,txtstockqty

from tblproductstock join tblproductname

on tblproductname.id=tblproductstock.refproductname

where txtProductname=('Formalshirt') ;

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Display stock of T-shirt small**\*/

select txtProductname,txtVariation,txtstockqty

from tblproductstock join tblproductname

on tblproductname.id=tblproductstock.refproductname

where txtProductname=('T-shirt') and txtVariation=('Small') ;

/\*----------------------------------------------------------------------------------------------------------------------------------\*/

/\***Q ) Change stock of medium tshirt to 60**\*/

UPDATE tblproductstock

JOIN

tblproductname ON tblproductname.id = tblproductstock.refproductname

SET

txtstockqty = 60

WHERE

txtProductname = ('T-shirt')

AND txtVariation = ('Medium')