1.

create table Train(trainNo int primary key, name varchar(50));

create table Amenities(trainNo int,amenity varchar(50), primary key(trainNo,amenity),

FOREIGN KEY (trainNo) REFERENCES Train(trainNo) ON DELETE CASCADE ON UPDATE CASCADE
);

insert into Train values(1,'Regional');

insert into Train values(2,'Northwest');

insert into Train values(3,'California Zephyr');

insert into Amenities values(1,'Free Wifi');

insert into Amenities values(2,'Cafe');

insert into Amenities values(2,'Free Wifi');

a. [2] What are the rows of Amenities table after running the below Query

Delete from Train where TrainNo =1;

b. [2] What are the rows of Amenities table after running the below Query

Update Train set trainNo = 9 where trainNo = 2 ;

c. [2] Is the below query correct? If not, write the correct query

Select TrainNo,Amenity from Amenities, Train where Train.TrainNo=Amenities.TrainNo;

d. [2] Is the below query correct? If not, write the correct query

Update TrainNo=9 where TrainNo= 2;

2.

Train

TrainNo	Name
1	Regional
2	NorthWest

3	California Zephyr

Amenities

TrainNo	Amenity
1	Free Wifi
2	Cafe
2	Free Wifi

a. [2] What are the output rows of the below query

select name from amenities,train where train.trainNo <> amenities.trainNo;

b. [2] What are the output rows of the below query

select * from amenities,train where train.trainNo <> amenities.trainNo;

c. [2] What are the output rows of the below query

select * from train where name like '%a%' or name like 'N_t%';

d. [1] What are the rows in Train Table after running the below queries.

Insert into Train values(5,'southwest')

Commit;

Delete from Train where trainNo=5;

Rollback;