Q1. Write an SQL query to display the countries in

a)Ascending order

b)Descending order

CREATE TABLE COUNTRY(NAME VARCHAR2(30));

INSERT INTO COUNTRY VALUES('INDIA');

INSERT INTO COUNTRY VALUES('INDONESIA');

INSERT INTO COUNTRY VALUES('NEPAL');

INSERT INTO COUNTRY VALUES('CHINA');

INSERT INTO COUNTRY VALUES('PAKISTAN');

INSERT INTO COUNTRY VALUES('SRI LANKA');

INSERT INTO COUNTRY VALUES('SINGAPORE');

INSERT INTO COUNTRY VALUES('AFGHANISTAN');

INSERT INTO COUNTRY VALUES('UNITED KINGDOM');

INSERT INTO COUNTRY VALUES('RUSSIA');

Q2. Write an SQL query to display 'INDIA' at top and other countries in ascending order

without hardcoding any integer/number/alphabet/string other than country name.

CREATE TABLE COUNTRY(NAME VARCHAR2(30));

INSERT INTO COUNTRY VALUES('INDIA');

INSERT INTO COUNTRY VALUES('INDONESIA');

INSERT INTO COUNTRY VALUES('NEPAL');

INSERT INTO COUNTRY VALUES('CHINA');

INSERT INTO COUNTRY VALUES('PAKISTAN');

INSERT INTO COUNTRY VALUES('SRI LANKA');

INSERT INTO COUNTRY VALUES('SINGAPORE');

INSERT INTO COUNTRY VALUES('AFGHANISTAN');

INSERT INTO COUNTRY VALUES('UNITED KINGDOM');

INSERT INTO COUNTRY VALUES('RUSSIA');

Q3. which of the following statement is/are correct for the below query?

select name from country

order by

case when name = 'INDIA' then 'a' else 'A' end,name desc;

a)Throw error message

b)INDIA will be displayed at last and remaining countries at top

c)INDIA will be displayed at top and other remaining countries at bottom/last.

d)Country names will be displayed but in random order.

Q4. What should be the output of below query?

select name from country

order by

case when name = 'INDIA' then 1 else 1 end,name;

CREATE TABLE COUNTRY(NAME VARCHAR2(10));

INSERT INTO COUNTRY VALUES('INDIA');

INSERT INTO COUNTRY VALUES('NEPAL');

INSERT INTO COUNTRY VALUES('CHINA');

INSERT INTO COUNTRY VALUES('PAKISTAN');

INSERT INTO COUNTRY VALUES('SRI LANKA');

INSERT INTO COUNTRY VALUES('AFGHANISTAN');

INSERT INTO COUNTRY VALUES('UNITED KINGDOM');

INSERT INTO COUNTRY VALUES('RUSSIA');

Q5.Write an SQL query to dispay INDIA at last and all other countries sorted in ascending order.

CREATE TABLE COUNTRY(NAME VARCHAR2(10));

INSERT INTO COUNTRY VALUES('INDIA');

INSERT INTO COUNTRY VALUES('NEPAL');

INSERT INTO COUNTRY VALUES('CHINA');

INSERT INTO COUNTRY VALUES('PAKISTAN');

INSERT INTO COUNTRY VALUES('SRI LANKA');

INSERT INTO COUNTRY VALUES('AFGHANISTAN');

INSERT INTO COUNTRY VALUES('UNITED KINGDOM');

INSERT INTO COUNTRY VALUES('RUSSIA');

Q6.Write an SQL query to display the country name in below order.

CREATE TABLE COUNTRY(NAME VARCHAR2(10));

INSERT INTO COUNTRY VALUES('INDIA');

INSERT INTO COUNTRY VALUES('NEPAL');

INSERT INTO COUNTRY VALUES('CHINA');

INSERT INTO COUNTRY VALUES('PAKISTAN');

INSERT INTO COUNTRY VALUES('SRI LANKA');

INSERT INTO COUNTRY VALUES('RUSSIA');

O/p:

NAME

INDIA

RUSSIA

SRI LANKA

PAKISTAN

NEPAL

CHINA

Q7. Write an SQL query to display the firstname and lastname as per the below output.

create table emp(firstname varchar2(50),lastname varchar2(50));

insert into emp values('Raj','Kumar');

insert into emp values('Raj','Kishore');

insert into emp values('Abdul','Khan');

insert into emp values('Asif','Sheikh');

insert into emp values('Asif','Khan');

o/p:

firstname lastname

Abdul Khan

Asif Sheikh

Asif Khan

Raj Kumar

Raj Kishore

Q8.Write an SQL query to display the output as per below hierarchy but salary in descending order.

Hierarchy:

HOD

Instructor

Professor

create table emp(id number,name varchar2(50),designation varchar2(50),salary number);

insert into emp values(1,'Aman','HOD',400);

insert into emp values(2,'Rajesh','HOD',500);

insert into emp values(3,'Karan','Professor',800);

insert into emp values(4,'Henry','Professor',300);

insert into emp values(5,'Kunal','Instructor',400);

insert into emp values(6,'Yusuf','Instructor',200);

o/p:

ID NAME DESIGNATION SALARY

2 Rajesh HOD 500

1 Aman HOD 400

5 Kunal Instructor 400

6 Yusuf Instructor 200

3 Karan Professor 800

4 Henry Professor 300

Q9.Write a SQL query to fetch the employee details and sort the names in ascending order.

Create table employee(Firstname varchar2(20),lastname varchar2(20));

insert into employee values('Raj','Kumar');

insert into employee values('Raj','Karan');

insert into employee values('Raj','Kishor');

insert into employee values('Suraj','Mathor');

insert into employee values('Suraj','Mukherjee');

insert into employee values('Rohan','Sharma');

insert into employee values('Rohit','Kumar');

Q10.Which of the following statement is/are correct?

a.By default order by sorts the result in ascending order.

b.By default order by sorts the result in descending order.

c.We must write asc or desc while using order by.

d.To customise the sorting of result we can use case statement in order by.

Q11.Write an SQL query to dispay INDIA at the top and all other countries sorted in ascending order without using else keyword.

CREATE TABLE COUNTRY(NAME VARCHAR2(10));

INSERT INTO COUNTRY VALUES('INDIA');

INSERT INTO COUNTRY VALUES('NEPAL');

INSERT INTO COUNTRY VALUES('CHINA');

INSERT INTO COUNTRY VALUES('PAKISTAN');

INSERT INTO COUNTRY VALUES('SRI LANKA');

INSERT INTO COUNTRY VALUES('AFGHANISTAN');

INSERT INTO COUNTRY VALUES('UNITED KINGDOM');

INSERT INTO COUNTRY VALUES('RUSSIA');

Q12.Write a SQL query to fetch the employee details and sort the names in ascending order in case of tie consider lastname ascending.

Create table employee(Firstname varchar2(20),lastname varchar2(20));

insert into employee values('Raj','Kumar');

insert into employee values('Raj','Karan');

insert into employee values('Raj','Kishor');

insert into employee values('Suraj','Mathor');

insert into employee values('Suraj','Mukherjee');

insert into employee values('Rohan','Sharma');

insert into employee values('Rohit','Kumar');

Q13.Write a SQL query to fetch the employee details and sort the lastname in descending order.

Create table employee(Firstname varchar2(20),lastname varchar2(20));

insert into employee values('Raj','Kumar');

insert into employee values('Raj','Karan');

insert into employee values('Raj','Kishor');

insert into employee values('Suraj','Mathor');

insert into employee values('Suraj','Mukherjee');

insert into employee values('Rohan','Sharma');

insert into employee values('Rohit','Kumar');

Q14. Write an SQL query to list the studname in ascending order but all the Female students should be displayed before all the Male students.

create table stud(studid number,studname varchar2(20),Gender varchar2(5));

insert into stud values(1,'Bilal','M');

insert into stud values(2,'Suresh','M');

insert into stud values(3,'Aman','M');

insert into stud values(4,'Swati','F');

insert into stud values(5,'Saurabh','M');

insert into stud values(6,'Abdul','M');

insert into stud values(7,'Ankit','M');

insert into stud values(8,'Shruti','F');

insert into stud values(9,'Ahmed','M');

insert into stud values(10,'Anup','M');

insert into stud values(11,'Rakesh','M');

insert into stud values(12,'Neha','F');

insert into stud values(13,'Suresh','M');

insert into stud values(14,'Mukesh','M');

insert into stud values(15,'Majid','M');

insert into stud values(16,'Priyanka','F');