Consider the following DEPARTMENT and WORKER tables. Write SQL queries for (i) to (vi) and find outputs for SQL queries (v) to (viii) :

Table : DEPARTMENT

|  |  |  |
| --- | --- | --- |
| DCODE | DEPT | CITY |
| D01 | MEDIA | DELHI |
| D02 | MARKETING | DELHI |
| D03 | INFRASTRUCTURE | MUMBAI |
| D05 | FINANCE | KOLKATA |
| D04 | HUMAN RESOURCE | BANGLORE |

Table : WORKER

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| WNO | NAME | DOJ | DOB | GENDER | DCODE |
| 1001 | MOHIT BHAT | 2013-09-02 | 1991-09-01 | MALE | D01 |
| 1002 | AVNEET KAUR | 2012-12-11 | 1994-12-15 | FEMAL | D03 |
| 1003 | VIDIT SHARMA | 2013-02-03 | 1992-12-15 | MALE | D05 |
| 1007 | GEORGE K | 2014-01-17 | 1984-10-19 | MALE | D04 |
| 1004 | SAKSHI MALIK | 2012-12-09 | 1995-11-14 | FEMALE | D01 |
| 1005 | R SAHAY | 2013-03-31 | 1987-03-31 | MALE | D02 |
| 1006 | MEHAK GHAI | 2014-06-09 | 1995-06-23 | FEMALE | D05 |

NOTE. DOJ refers to date of joining and DOB refers to date of birth of workers

1. To display WNO, NAME, GENDER from the table WORKER in descending order of WNO.

(ii) To display the name of all the FEMALE workers from the table WORKER.

(iii) To display the WNO and Name of those from the table WORKER who are born

between ’1987-01-01’ and ‘1991-12-01’.

(iv) To count and display MALE workers who have joined after ‘1990-01-01’.

(v) SELECT COUNT(\*), DCODE FROM WORKER GROUP BY DCODE

HAVINGCOUNT(\*) > 1 ;

(vi) SELECT DISTINCT DEPT FROM DEPARTMENT ;

(vii) SELECT NAME, DEPT, CITY FROM WORKER W, DEPARTMENT D WHERE

W.DCODE = D.DCODE AND WNO < 1003;

(viii) SELECT MAX(DOJ), MIN(DOB) FROM WORKER ;

SOLUTION:

1. SELECT WNO, NAME, GENDER

FROM WORKER

ORDER BY WNO Desc;

1. SELECT NAME

FROM WORKER

WHERE GENDER = ‘FEMALE’ ;

1. SELECT WNO, NAME

FROM WORKER

WHERE DOB BETWEEN ’1987-01-01’ AND ‘1991-12-01’ ;

(iv) SELECT Count(\*)

FROM WORKER

WHERE GENDER = ‘MALE’ AND DOJ > ‘1990-01-01’ ;

(v) COUNT (\*) DCODE

2 D01

2 D05

(vi) DISTINCT DEPT

MEDIA

MARKETING

INFRASTRUCTURE

FINANCE

HUMAN RESOURCE

1. NAMAE DEPT CITY

MOHIT BHAT MEDIA DELHI

AVNEET KAUR INFRASTRUCTURE MUMBAI

1. MAX(DOJ) MIN(DOB)

2014-06-09 1984-10-19