**1.Create Following Tables**

**CREATE TABLE Worker (**

**WORKER\_ID INT PRIMARY KEY IDENTITY(1,1),**

**FIRST\_NAME VARCHAR(25),**

**LAST\_NAME VARCHAR(25),**

**SALARY INT,**

**JOINING\_DATE DATETIME,**

**DEPARTMENT CHAR(25)**

**);**

**CREATE TABLE Bonus (**

**WORKER\_REF\_ID INT,**

**BONUS\_AMOUNT INT,**

**BONUS\_DATE DATETIME,**

**FOREIGN KEY (WORKER\_REF\_ID)**

**REFERENCES Worker(WORKER\_ID)**

**ON DELETE CASCADE**

**);**

**CREATE TABLE Title (**

**WORKER\_REF\_ID INT,**

**WORKER\_TITLE CHAR(25),**

**AFFECTED\_FROM DATETIME,**

**FOREIGN KEY (WORKER\_REF\_ID)**

**REFERENCES Worker(WORKER\_ID)**

**ON DELETE CASCADE**

**);**

**Q: Add following sample data to above created tables.**

**Table – Worker**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WORKER\_ID** | **FIRST\_NAME** | **LAST\_NAME** | **SALARY** | **JOINING\_DATE** | **DEPARTMENT** |
| 001 | Monika | Arora | 100000 | 2014-02-20 09:00:00 | HR |
| 002 | Niharika | Verma | 80000 | 2014-06-11 09:00:00 | Admin |
| 003 | Vishal | Singhal | 300000 | 2014-02-20 09:00:00 | HR |
| 004 | Amitabh | Singh | 500000 | 2014-02-20 09:00:00 | Admin |
| 005 | Vivek | Bhati | 500000 | 2014-06-11 09:00:00 | Admin |
| 006 | Vipul | Diwan | 200000 | 2014-06-11 09:00:00 | Account |
| 007 | Satish | Kumar | 75000 | 2014-01-20 09:00:00 | Account |
| 008 | Geetika | Chauhan | 90000 | 2014-04-11 09:00:00 | Admin |

**Sample Table – Bonus**

|  |  |  |
| --- | --- | --- |
| **WORKER\_REF\_ID** | **BONUS\_DATE** | **BONUS\_AMOUNT** |
| 1 | 2016-02-20 00:00:00 | 5000 |
| 2 | 2016-06-11 00:00:00 | 3000 |
| 3 | 2016-02-20 00:00:00 | 4000 |
| 1 | 2016-02-20 00:00:00 | 4500 |
| 2 | 2016-06-11 00:00:00 | 3500 |

**Sample Table – Title**

|  |  |  |
| --- | --- | --- |
| **WORKER\_REF\_ID** | **WORKER\_TITLE** | **AFFECTED\_FROM** |
| 1 | Manager | 2016-02-20 00:00:00 |
| 2 | Executive | 2016-06-11 00:00:00 |
| 8 | Executive | 2016-06-11 00:00:00 |
| 5 | Manager | 2016-06-11 00:00:00 |
| 4 | Asst. Manager | 2016-06-11 00:00:00 |
| 7 | Executive | 2016-06-11 00:00:00 |
| 6 | Lead | 2016-06-11 00:00:00 |
| 3 | Lead | 2016-06-11 00:00:00 |

#### 1. Write an SQL query to fetch “FIRST\_NAME” from Worker table using the alias name as <WORKER\_NAME>.

#### 2. Write an SQL query to fetch “FIRST\_NAME” from Worker table in upper case.

#### 3. Write an SQL query to fetch unique values of DEPARTMENT from Worker table.

#### 4. Write an SQL query to print the first three characters of  FIRST\_NAME from Worker table.

#### 5. Write an SQL query to find the position of the alphabet (‘a’) in the first name column ‘Amitabh’ from Worker table.

#### 6. Write an SQL query to print the FIRST\_NAME from Worker table after removing white spaces from the right side.

#### 7. Write an SQL query to print the DEPARTMENT from Worker table after removing white spaces from the left side.

#### 8. Write an SQL query that fetches the unique values of DEPARTMENT from Worker table and prints its length.

#### 9. Write an SQL query to print the FIRST\_NAME from Worker table after replacing ‘a’ with ‘A’.

#### 10. Write an SQL query to print the FIRST\_NAME and LAST\_NAME from Worker table into a single column COMPLETE\_NAME. A space char should separate them.

#### 11. Write an SQL query to print all Worker details from the Worker table order by FIRST\_NAME Ascending.

#### 12. Write an SQL query to print all Worker details from the Worker table order by FIRST\_NAME Ascending and DEPARTMENT Descending.

#### 13. Write an SQL query to print details for Workers with the first name as “Vipul” and “Satish” from Worker table.

#### 14. Write an SQL query to print details of workers excluding first names, “Vipul” and “Satish” from Worker table.

#### 15. Write an SQL query to print details of Workers with DEPARTMENT name as “Admin”.

#### 16. Write an SQL query to print details of the Workers whose FIRST\_NAME contains ‘a’.

#### 17. Write an SQL query to print details of the Workers whose FIRST\_NAME ends with ‘a’.

#### 18. Write an SQL query to print details of the Workers whose FIRST\_NAME ends with ‘h’ and contains six alphabets.

#### 19. Write an SQL query to print details of the Workers whose SALARY lies between 100000 and 500000.

#### 20. Write an SQL query to print details of the Workers who have joined in Feb’2014.

#### 21. Write an SQL query to fetch worker names with salaries >= 50000 and <= 100000.

#### 22. Write an SQL query to fetch the no. of workers for each department in the descending order.

#### 23. Write an SQL query to print details of the Workers who are also Managers

#### 24.Write an SQL query to show the current date and time.

#### 25.Write an SQL query to show the top n (say 10) records of a table.