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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | USER\_ID | USER\_NAME | CODEKATA | ATTENDANCE | TOPIC\_TASKS | COMPANY\_DRIVES | COURSES |
| 1 | 1 | Tamil Selvan | 53 | 81 | 15 | 10 | Full Stack Developer |
| 2 | 2 | Rojer Wilfred | 80 | 71 | 17 | 5 | Automation Testing |
| 3 | 3 | Kavin | 85 | 41 | 17 | 4 | Data Scientist |
| 4 | 4 | Prakash Raaj | 75 | 51 | 7 | 2 | Automation Testing |
| 5 | 5 | Mamreeith Keshav | 85 | 61 | 17 | 11 | Full Stack Developer |
| 6 | 6 | Naveen | 85 | 61 | 17 | 11 | Automation Testing |
| 7 | 7 | Tharun Kumar | 55 | 91 | 17 | 6 | Data Scientist |
| 8 | 8 | Rakesh | 35 | 71 | 10 | 2 | Full Stack Developer |
| 9 | 9 | Naveen C | 25 | 91 | 14 | 7 | Data Scientist |
| 10 | 10 | Kailash | 25 | 82 | 10 | 15 | Data Scientist |

**TASK DAY -36**

**Question**

|  |
| --- |
| The Following are the tables has to be in your database & model deisgn: |
|  | users |
|  | codekata |
|  | attendance |
|  | topics |
|  | tasks |
|  | company\_drives |
|  | mentors |
|  | students\_activated\_courses |

**Solution:**

**TABLE : 1 Name: USER\_INFO**

**Codes to create table 1 and insert rows:**

Create table user\_info(

    id INTEGER PRIMARY KEY,

    user\_id INTEGER,

    user\_name VARCHAR(100),

    codekata INTEGER,

    attendance FLOAT,

    topic\_tasks INTEGER,

    company\_drives INTEGER,

    courses VARCHAR(100)

);

insert into user\_info (id ,user\_id, user\_name ,codekata , attendance ,topic\_tasks ,company\_drives ,courses)

select 1, 1,'Tamil Selvan',53,81,15,10,'Full Stack Developer' from dual

union all

select 2, 2,'Rojer Wilfred',80,71,17,5,'Automation Testing' from dual

union all

select 3, 3,'Kavin',85,41,17,4,'Data Scientist' from dual

union all

select 4, 4,'Prakash Raaj',75,51,7,2,'Automation Testing' from dual

union all

select 5, 5,'Mamreeith Keshav',85,61,17,11,'Full Stack Developer' from dual

union all

select 6, 6,'Naveen',85,61,17,11,'Automation Testing' from dual

union all

select 7, 7,'Tharun Kumar',55,91,17,6,'Data Scientist' from dual

union all

select 8, 8,'Rakesh',35,71,10,2,'Full Stack Developer' from dual

union all

select 9, 9,'Naveen C',25,91,14,7,'Data Scientist' from dual

union all

select 10, 10,'Kailash',25,82,10,15,'Data Scientist' from dual

**TABLE 2 : Name: Mentor\_info**

|  |  |  |
| --- | --- | --- |
| ID | STUDENT\_ID | MENTOR\_NAME |
| 1 | 1 | Sunita |
| 2 | 2 | Sai Mohan |
| 3 | 3 | Anita |
| 4 | 4 | Sai Mohan |
| 5 | 5 | Sunita |
| 6 | 6 | Raghav |
| 7 | 7 | Gowtham |
| 8 | 8 | Raghav |
| 9 | 9 | Gowtham |
| 10 | 10 | Anita |

**Codes to create table 2 and insert rows:**

create table mentor\_info

(id number, student\_id number , mentor\_name VARCHAR(100));

insert into mentor\_info (id, student\_id, mentor\_name)

select 1,1,'Sunita' from dual union all

select 2,2,'Sai Mohan' from dual union all

select 3,3,'Anita' from dual union all

select 4,4,'Sai Mohan' from dual union all

select 5,5,'Sunita' from dual union all

select 6,6,'Raghav' from dual union all

select 7,7,'Gowtham' from dual union all

select 8,8,'Raghav' from dual union all

select 9,9,'Gowtham' from dual union all

select 10,10,'Anita' from dual

**TABLE:3 Name: Student\_activated\_courses**

|  |  |  |
| --- | --- | --- |
| ID | STUDENT\_ID | COURSE |
| 1 | 1 | Python |
| 2 | 5 | Python |
| 3 | 8 | Python |
| 4 | 2 | C Programming |
| 5 | 4 | C Programming |
| 6 | 6 | C Programming |
| 7 | 2 | Selenium Automation Bundle |
| 8 | 4 | Selenium Automation Bundle |
| 9 | 6 | Selenium Automation Bundle |
| 10 | 3 | AI Bundle |
| 11 | 7 | AI Bundle |
| 12 | 9 | AI Bundle |
| 13 | 10 | AI Bundle |
| 14 | 2 | Ultimate Microsoft Office Bundle |
| 15 | 4 | Ultimate Microsoft Office Bundle |
| 16 | 6 | Ultimate Microsoft Office Bundle |
| 17 | 1 | Ultimate Microsoft Office Bundle |
| 18 | 5 | Ultimate Microsoft Office Bundle |
| 19 | 8 | Ultimate Microsoft Office Bundle |

**Codes to create table 3 and insert rows:**

create table student\_activated\_courses

( id number primary key, student\_id number, course VARCHAR(100))

insert into student\_activated\_courses

select 1,1, 'Python'from dual union all

select 2,5, 'Python'from dual union all

select 3,8, 'Python'from dual

insert into student\_activated\_courses

select 4,2, 'C Programming' from dual union all

select 5,4, 'C Programming' from dual union all

select 6,6, 'C Programming' from dual

insert into student\_activated\_courses

select 7,2, 'Selenium Automation Bundle' from dual union all

select 8,4, 'Selenium Automation Bundle' from dual union all

select 9,6, 'Selenium Automation Bundle' from dual

insert into student\_activated\_courses

select 10,3, 'AI Bundle' from dual union all

select 11,7, 'AI Bundle' from dual union all

select 12,9, 'AI Bundle' from dual union all

select 13,10, 'AI Bundle' from dual

insert into student\_activated\_courses

select 14,2, 'Ultimate Microsoft Office Bundle' from dual union all

select 15,4, 'Ultimate Microsoft Office Bundle' from dual union all

select 16,6, 'Ultimate Microsoft Office Bundle' from dual union all

select 17,1, 'Ultimate Microsoft Office Bundle' from dual union all

select 18,5, 'Ultimate Microsoft Office Bundle' from dual union all

select 19,8, 'Ultimate Microsoft Office Bundle' from dual

|  |
| --- |
| **The following are the queries need to be executed** |
|  |  |
|  | **1. Create tables for the above list given** |
|  | **2. insert at least 5 rows of values in each table** |
|  | **3. get number problems solved in codekata by combining the users** |
|  | **4. display the no of company drives attended by a user** |
|  | **5. combine and display students\_activated\_courses and courses for a specific user groping them based on the course** |
|  | **6. list all the mentors** |
|  | **7. list the number of students that are assigned for a mentor** |

|  |
| --- |
| **3. get number problems solved in codekata by combining the users**  **Solution: select sum(codekata) as total\_codekata\_solved from user\_info** |

Output:

|  |
| --- |
| **TOTAL\_CODEKATA\_SOLVED** |
| 603 |

**4. display the no of company drives attended by a user**

**Solution:**

**select user\_name, company\_drives from user\_info**

**order by company\_drives**

|  |  |
| --- | --- |
| **USER\_NAME** | **COMPANY\_DRIVES** |
| Rakesh | 2 |
| Prakash Raaj | 2 |
| Kavin | 4 |
| Rojer Wilfred | 5 |
| Tharun Kumar | 6 |
| Naveen C | 7 |
| Tamil Selvan | 10 |
| Naveen | 11 |
| Mamreeith Keshav | 11 |
| Kailash | 15 |

**5.combine and display students\_activated\_courses and courses for a specific user groping them based on the course**

**Solution:**

**select user\_name, courses ,course from user\_info**

**inner join student\_activated\_courses on**

**user\_id = student\_id**

**order by courses, course;**

|  |  |  |
| --- | --- | --- |
| **USER\_NAME** | **COURSES** | **COURSE** |
| Prakash Raaj | Automation Testing | C Programming |
| Naveen | Automation Testing | C Programming |
| Rojer Wilfred | Automation Testing | C Programming |
| Rojer Wilfred | Automation Testing | Selenium Automation Bundle |
| Naveen | Automation Testing | Selenium Automation Bundle |
| Prakash Raaj | Automation Testing | Selenium Automation Bundle |
| Naveen | Automation Testing | Ultimate Microsoft Office Bundle |
| Prakash Raaj | Automation Testing | Ultimate Microsoft Office Bundle |
| Rojer Wilfred | Automation Testing | Ultimate Microsoft Office Bundle |
| Naveen C | Data Scientist | AI Bundle |
| Tharun Kumar | Data Scientist | AI Bundle |
| Kavin | Data Scientist | AI Bundle |
| Kailash | Data Scientist | AI Bundle |
| Mamreeith Keshav | Full Stack Developer | Python |
| Tamil Selvan | Full Stack Developer | Python |
| Rakesh | Full Stack Developer | Python |
| Rakesh | Full Stack Developer | Ultimate Microsoft Office Bundle |
| Tamil Selvan | Full Stack Developer | Ultimate Microsoft Office Bundle |
| Mamreeith Keshav | Full Stack Developer | Ultimate Microsoft Office Bundle |

**6. list all the mentors**

**Solution: select distinct mentor\_name from mentor\_info**

|  |
| --- |
| **MENTOR\_NAME** |
| Sai Mohan |
| Gowtham |
| Sunita |
| Anita |
| Raghav |

**7. list the number of students that are assigned for a mentor**

**Solution:**

**select mentor\_name, count(mentor\_name) as Total\_students\_Assigned from user\_info**

**inner join mentor\_info on**

**user\_id = student\_id**

**Group by mentor\_name**

|  |  |
| --- | --- |
| **MENTOR\_NAME** | **TOTAL\_STUDENTS\_ASSIGNED** |
| Sai Mohan | 2 |
| Gowtham | 2 |
| Sunita | 2 |
| Anita | 2 |
| Raghav | 2 |