**TASK DAY- 37**

Design DB model for Guvi Zen class Student Collection Batch Collection Task Collection Mentor Collection

* This code is executed in Oracle sql and the result has also been attached below each queries.

--  Creating Students Table.

CREATE TABLE students(

    S\_No INTEGER NOT NULL primary Key,

    Student\_Name VARCHAR(25) NOT NULL,

    Course VARCHAR(25) NOT NULL,

    Mentor VARCHAR(25) NOT NULL,

    Phone\_Number INTEGER NOT NULL

);

--Inserting inforamtion

INSERT INTO students  (S\_No,Student\_Name,Course,Mentor,Phone\_Number)

WITH names AS(

    select 1,  'Virat Kohli', 'Full Stack Developer', 'Sai Mohan',1111111111 from dual

union all

    select 2, 'M S Dhoni','Full Stack Developer','Sai Mohan',2222222222 from dual

union all

    select 3, 'Rohit Sharma','Data Scientist','Chandrasekhar',3333333333 from dual

union all

    select 4,'Jos Buttler','Data Scientist','Chandrasekhar',4444444444 from dual

union all

    select 5, 'Shaun Tait','Full Stack Developer','Sai Mohan',5555555555 from dual

union all

    select 6, 'Ricky Pointing','Data Scientist','Chandrasekhar',6666666666 from dual

union all

    select 7, 'Shaun Clarke','Full Stack Developer','Sai Mohan',7777777777 from dual

)

select \* from names

Output:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S\_NO** | **STUDENT\_NAME** | **COURSE** | **MENTOR** | **PHONE\_NUMBER** |
| 1 | Virat Kohli | Full Stack Developer | Sai Mohan | 1111111111 |
| 2 | M S Dhoni | Full Stack Developer | Sai Mohan | 2222222222 |
| 3 | Rohit Sharma | Data Scientist | Chandrasekhar | 3333333333 |
| 4 | Jos Buttler | Data Scientist | Chandrasekhar | 4444444444 |
| 5 | Shaun Tait | Full Stack Developer | Sai Mohan | 5555555555 |
| 6 | Ricky Pointing | Data Scientist | Chandrasekhar | 6666666666 |
| 7 | Shaun Clarke | Full Stack Developer | Sai Mohan | 7777777777 |

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7 rows selected.

-- Creating batch details table

CREATE TABLE batch\_details(

        Batch\_id INTEGER NOT NULL primary Key,

        Batch\_Name VARCHAR(25) NOT NULL,

        Course\_Name VARCHAR(25) NOT NULL,

        Number\_of\_Students INTEGER NOT NULL

    );

--Inserting info into table

INSERT INTO batch\_details (Batch\_id, Batch\_Name, Course\_Name,Number\_of\_Students)

WITH names AS(

    select 1,  'B25WD', 'Full Stack Development', 50  from dual

union all

    select 2,  'B26WD', 'Data Science', 50 from dual

union all

    select 3,  'B27WD', 'Full Stack Development', 60 from dual

union all

    select 4,  'B28WD', 'Data Science', 40 from dual

)

select \* from names

Output:

|  |  |  |  |
| --- | --- | --- | --- |
| **BATCH\_ID** | **BATCH\_NAME** | **COURSE\_NAME** | **NUMBER\_OF\_STUDENTS** |
| 1 | B25WD | Full Stack Development | 50 |
| 2 | B26WD | Data Science | 50 |
| 3 | B27WD | Full Stack Development | 60 |
| 4 | B28WD | Data Science | 40 |

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4 rows selected.

-- Create tasks details table

CREATE TABLE tasks\_details(

        Task\_id INTEGER NOT NULL primary Key,

        Task VARCHAR(200) NOT NULL,

        Task\_date DATE NOT NULL,

        Due\_date DATE NOT NULL,

        No\_of\_submissions INTEGER NOT NULL

    );

--Inserting info into table

INSERT INTO tasks\_details (Task\_id, Task, Task\_date, Due\_date, No\_of\_submissions)

WITH names AS (

    select 1, 'Pagination', DATE'2022-01-10', DATE '2022-01-15', 15 from dual

    union all select 2, 'Dashboard', DATE'2022-01-13',  DATE '2022-01-19',10 from dual

    union all select 3, 'Billing board',  DATE'2022-01-14', DATE'2022-01-20',12 from dual

    union all select 4, 'Web-scraper',  DATE'2022-01-15', DATE'2022-01-22',25 from dual

    union all select 5, 'URL-shortener',  DATE'2022-01-16', DATE'2022-01-23',35 from dual

)

select \* from names

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TASK\_ID** | **TASK** | **TASK\_DATE** | **DUE\_DATE** | **NO\_OF\_SUBMISSIONS** |
| 1 | Pagination | 10-JAN-22 | 15-JAN-22 | 15 |
| 2 | Dashboard | 13-JAN-22 | 19-JAN-22 | 10 |
| 3 | Billing board | 14-JAN-22 | 20-JAN-22 | 12 |
| 4 | Web-scraper | 15-JAN-22 | 22-JAN-22 | 25 |
| 5 | URL-shortener | 16-JAN-22 | 23-JAN-22 | 35 |

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5 rows selected.

-- Creating mentor\_details table

CREATE TABLE mentors\_details(

        Mentor\_id INTEGER NOT NULL primary Key,

        Mentor\_name VARCHAR(25) NOT NULL,

        Specialization VARCHAR(50) NOT NULL,

        Phone\_Number INTEGER NOT NULL

    );

-- Inserting details into the table

INSERT INTO mentors\_details (Mentor\_id,Mentor\_name,Specialization,Phone\_Number)

WITH names AS(select 1, 'Sai Mohan', 'Full Stack Development', 8888888888 from dual

union all select 2, 'Chandrasekhar', 'Data Scientist' , 999999999 from dual

union all select 3, 'Kishore', 'Automation Testing', 1010101010 from dual)

select \* from names

Output:

|  |  |  |  |
| --- | --- | --- | --- |
| **MENTOR\_ID** | **MENTOR\_NAME** | **SPECIALIZATION** | **PHONE\_NUMBER** |
| 1 | Sai Mohan | Full Stack Development | 8888888888 |
| 2 | Chandrasekhar | Data Scientist | 999999999 |
| 3 | Kishore | Automation Testing | 1010101010 |

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3 rows selected.