**Chrissie Raj**

**For each problem:**

- **Write and execute an SQL query in Oracle Live SQL or SQL*Plus**
- **Execute the following command: select sysdate, 'your name' from dual; where your_name is substituted with your name**
- **Take a screenshot that includes both SQL statements and all results**
- **Copy and paste the screenshot into a Word file containing your solutions**

**Assignment:**

For the database you designed in the previous assignments, complete the following problems:

- **Write a SQL code to join two tables using the WHERE statement. Explain what the query is intended to do.**
- **Repeat problem 1 using the JOIN … USING keywords.**
- **Repeat problem 1 using the JOIN … ON keywords.**
- **Repeat problem 1 but add at least two conditions in the WHERE statement and use an arithmetic and a special operator. Use logical operators to combine multiple conditions. Explain what the query is intended to do.**
- **Repeat problem 2 but add two more conditions in the WHERE statement and use an arithmetic and a special operator that are different from the ones you used in the previous query. Use logical operators to combine multiple conditions. Explain what the query is intended to do.**
- **-9 Repeat problems 1-4 above to join three tables.**
  **10. Write a SQL query that joins four tables using any type of join and uses both an arithmetic and special operator. Explain what the query is intended to do.**

# Solution:

**Statement 1**

```
CREATE TABLE table1 (
    id NUMBER PRIMARY KEY,
    student_name VARCHAR2(50),
    description VARCHAR2(100),
    foreign_key NUMBER
)
```

Table created.

**Statement 2**

```
CREATE TABLE table2 (
    id NUMBER PRIMARY KEY,
    course_name VARCHAR2(50),
    department VARCHAR2(50)
)
```

Table created.

**Statement 3**

```
INSERT INTO table1 (id, student_name, description, foreign_key)
VALUES (1, 'Chrissie Raj', 'Doing Masters in Data Analytics', 2)
```

1 row(s) inserted.

**Statement 4**

```
INSERT INTO table1 (id, student_name, description, foreign_key)
VALUES (2, 'John Doe', 'Doing Masters in Data Analytics', 3)
```