

SQL DML Queries to **insert**,  
**update**, and **delete** records in  
the database.

*OLAIYA PRECIOUS OLAMIDE*

CHECKPOINT 5

Bonik

```
insert into Department values (
```

```
1, 'IT', 'ALICE JOHNSON');
```

```
insert into Department values
```

```
(2, 'HR', 'BOB SMITH'),
```

```
(3, 'MARKETING', 'CLARA BENNETH');
```

```
Select * from Department;
```

```
insert into Employee values
```

```
(101, 'John Doe', 'Developer', 60000.00,1),
```

```
(102, 'Jane Smith', 'Analyst', 55000.00,2),
```

```
(103, 'Mike Brown', 'Designer', 50000.00,3),
```

```
(104, 'Sarah Johnson', 'Data Scientist', 70000.00,1),
```

```
(105, 'Emma Wilson', 'HR Specialist', 52000.00,2);
```

```
select * from Employee;
```

Bonik

insert into Project values

```
(201, 'Website Redesign', '2024-01-15', '2024-06-30', 1),  
(202, 'Employee Onboarding', '2024-03-01', '2024-09-01', 2),  
(203, 'Market Research', '2024-02-01', '2024-07-31', 3),  
(204, 'IT Infrastructure setup', '2024-04-01', '2024-12-31', 1);
```

select \* from Project;

insert into Employee\_Project values

```
(101, 201, 'Frontend Developer'),  
(104, 201, 'Backend Developer'),  
(102, 202, 'Trainer'),  
(105, 202, 'Coordinator'),  
(103, 203, 'Research Lead'),  
(101, 204, 'Network Specialist');
```

select \* from Employee\_Project;

Bonik

```
update Employee_Project  
    set ROLE= 'Full stack developer'  
    where Employee_Num_E=101;  
select * from Employee_Project;  
delete from Employee  
    where Num_E=103;  
select * from Employee;  
delete from Employee_Project  
    where Employee_Num_E=103;  
select * from Employee_Project;
```



Bonik

Please note that;

“I executed all the SELECT queries in my code to verify the correctness of my operations in SSMS, and I was able to view the expected results.”

Also i had to alter my project table from the previous assignment given that is the feedback stated concerning my end\_date constraint (*The CHECK constraint for End\_Date in the Project table could be refined to ensure logical consistency (e.g., ensuring End\_Date is greater than Start\_Date)*).

*This is my code for that;*

```
ALTER TABLE Project DROP CONSTRAINT CK_Project_Dates;
```

```
ALTER TABLE Project
```

```
ADD CONSTRAINT CK_Project_Dates
```

```
CHECK (End_Date IS NULL OR End_Date > Start_Date);
```

However i did that in another sql script hence while it did not show with this assignment script.

Thank you.