

SQL Practice Worksheet: INSERT, UPDATE, DELETE

Step 1: Create Table

```
CREATE TABLE students (  
    roll_no INT PRIMARY KEY,  
    name VARCHAR(50),  
    course VARCHAR(50)  
);
```

Step 2: INSERT Practice

```
-- Task 1: Insert one student  
INSERT INTO students VALUES (1, 'Amit', 'Java');  
  
-- Task 2: Insert two more students  
INSERT INTO students VALUES  
(2, 'Ravi', 'Python'),  
(3, 'Sita', 'C++');  
  
-- Check records  
SELECT * FROM students;
```

Step 3: UPDATE Practice

```
-- Task 3: Change name of Roll No 1  
UPDATE students  
SET name = 'Amit Kumar'  
WHERE roll_no = 1;  
  
-- Task 4: Update course of Roll No 2  
UPDATE students  
SET course = 'Advanced Python'  
WHERE roll_no = 2;  
  
-- Check updates  
SELECT * FROM students;
```

Step 4: DELETE Practice

```
-- Task 5: Delete student with Roll No 3  
DELETE FROM students  
WHERE roll_no = 3;  
  
-- Task 6: Delete all students  
DELETE FROM students;
```

Bonus: TRUNCATE vs DELETE

```
-- DELETE keeps table structure
```

SQL Practice Worksheet: INSERT, UPDATE, DELETE

```
DELETE FROM students;
```

```
-- TRUNCATE removes data faster
```

```
TRUNCATE TABLE students;
```