

1 إنشاء الجدول (مرة واحدة)

```
CREATE TABLE student (  
    id NUMBER PRIMARY KEY,  
    name VARCHAR2(50),  
    age NUMBER  
);
```

2 برنامج PL/SQL لتطبيق العمليات

```
SET SERVEROUTPUT ON;
```

```
BEGIN
```

```
-- سجلات 3 إدخال
```

```
INSERT INTO student (id, name, age) VALUES (1, 'Mona', 25);
```

```
INSERT INTO student (id, name, age) VALUES (2, 'Ahmed', 22);
```

```
INSERT INTO student (id, name, age) VALUES (3, 'Sara', 23);
```

```
DBMS_OUTPUT.PUT_LINE('inserted 3 rows.');
```

```
-- عمر تحديث Ahmed
```

```
UPDATE student
```

```
SET age = age + 1
```

```
WHERE name = 'Ahmed';
```

```
DBMS_OUTPUT.PUT_LINE(' updated Ahmed age.');
```

```
-- حذف Sara
```

```
DELETE FROM student
```

```
WHERE name = 'Sara';
```

```
DBMS_OUTPUT.PUT_LINE('deleted Sara.');
```

```
-- (موجود غير إذا إضافة أو موجود إذا تحديث) Ahmed سجل دمج
```

```
MERGE INTO student s
```

```
USING (SELECT 2 AS id, 'Ahmed Updated' AS name, 23 AS age FROM dual) d
```

```
ON (s.id = d.id)
```

```
WHEN MATCHED THEN
```

```
    UPDATE SET s.name = d.name, s.age = d.age
```

```
WHEN NOT MATCHED THEN
```

```
    INSERT (id, name, age) VALUES (d.id, d.name, d.age);
```

```
DBMS_OUTPUT.PUT_LINE(' MERGED.');
```

```
COMMIT;
```

```
END;
```

```
/
```

```
SELECT * FROM student;
```

سيعرض البيانات النهائية بعد: INSERT, UPDATE, DELETE, MERGE

ID	NAME	AGE
1	Mawada	25
2	Ahmed Updated	23