

## SQL Command Reference for Oracle

### **1. Show all tables for current user:**

```
SELECT table_name FROM user_tables;
```

### **2. Show all tables accessible to user:**

```
SELECT owner, table_name FROM all_tables;
```

### **3. Show all tables in the database (DBA only):**

```
SELECT owner, table_name FROM dba_tables;
```

### **4. Show all columns for user tables:**

```
SELECT table_name, column_name, data_type, data_length, nullable  
FROM user_tab_columns  
ORDER BY table_name, column_id;
```

### **5. Insert data into table:**

```
INSERT INTO table_name (col1, col2) VALUES (value1, value2);  
COMMIT;
```

### **6. Update data in table:**

```
UPDATE table_name  
SET column_name = new_value  
WHERE condition;  
COMMIT;
```

### **7. Delete entire row:**

```
DELETE FROM table_name  
WHERE condition;  
COMMIT;
```

### **8. Remove single column value (set to NULL):**

```
UPDATE table_name  
SET column_name = NULL  
WHERE condition;  
COMMIT;
```

### **9. Show all data from a table:**

```
SELECT * FROM table_name;
```

### **10. Show specific columns:**

```
SELECT column1, column2 FROM table_name;
```

### **11. Show only one row:**

```
SELECT * FROM table_name FETCH FIRST 1 ROWS ONLY;
```

### **12. Count number of tables:**

```
SELECT COUNT(*) AS total_tables FROM user_tables;
```

**13. Count tables for a specific user:**

```
SELECT owner, COUNT(*) FROM all_tables  
WHERE owner = 'USERNAME'  
GROUP BY owner;
```

**14. Describe table structure:**

```
DESC table_name;
```

**15. Create table:**

```
CREATE TABLE table_name (  
column1 NUMBER(10),  
column2 VARCHAR2(50)  
);
```

**16. Add column to existing table:**

```
ALTER TABLE table_name ADD (new_column VARCHAR2(20));
```

**17. Drop table:**

```
DROP TABLE table_name;
```

**18. Commit changes:**

```
COMMIT;
```

**19. Rollback changes:**

```
ROLLBACK;
```

**20. Show constraints:**

```
SELECT constraint_name, constraint_type, table_name  
FROM user_constraints;
```