

SQL PRACTICES

SELECT COMMAND:

```
SELECT * FROM Customers;
```

```
SELECT * FROM Customers
```

```
WHERE Country='Mexico';
```

SAMPLE CODE WITH OUTPUTS:

```
create table dept1( deptid number not null, deptnamevarchar(20));
```

Results Explain Describe Saved SQL History

Object Type TABLE Object DEPT1

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPT1	DEPTID	NUMBER	22	-	-	-	-	-	-
	DEPTNAME	VARCHAR2	20	-	-	-	✓	-	-
1 - 2									

```
alter table s add constraint c_const1 check (age > 17);
```

```
update s set age=18;
```

```
select * from s;
```

ROLLNO	NAME	AGE
203	sabarinathan	18
205	sabitha	18
206	sachin	18
207	sakthi	18

```
alter table dept1 add constraint d_pk primary key (deptid);
```

Object Type **TABLE** Object **DEPT**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPT	DEPTNO	NUMBER	-	2	0	1	-	-	-
	DNAME	VARCHAR2	14	-	-	-	✓	-	-
	LOC	VARCHAR2	13	-	-	-	✓	-	-
1 - 3									

Learning in built functions

```
SELECT COUNT(column_name)  
FROM table_name  
WHERE condition;
```

```
SELECT AVG(column_name)  
FROM table_name  
WHERE condition;
```

```
SELECT SUM(column_name)  
FROM table_name  
WHERE condition;
```

JOINS

```
SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate  
FROM Orders  
INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID;
```

INNER JOINS

```
SELECT Orders.OrderID, Customers.CustomerName  
FROM Orders  
INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID;
```

Left join

```
SELECT Customers.CustomerName, Orders.OrderID  
FROM Customers  
LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID  
ORDER BY Customers.CustomerName;
```