



Live SQL



## SQL Worksheet



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Run 

```
1  create table iesCollege(  
2      studNo number(5) primary key,  
3      studName varchar2(20),  
4      rollNo varchar2(20),  
5      clgName varchar2(20)  
6  );
```

Table created.

```
1 insert into iesCollege values (1, 'Yuvan', '0177CS191185', 'ICOT');
2 insert into iesCollege values (2, 'Rohit', '0177CS191146', 'ICOT');
3 insert into iesCollege values (3, 'Ravi', '0177CS191134', 'ICOT');
4 insert into iesCollege values (4, 'Sonu', '0177CS191168', 'ICOT');
```

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

```
1 select * from iesCollege;
```

| STUDNO | STUDNAME | ROLLNO       | CLGNAME |
|--------|----------|--------------|---------|
| 1      | Yuvan    | 0177CS191185 | ICOT    |
| 2      | Rohit    | 0177CS191146 | ICOT    |
| 3      | Ravi     | 0177CS191134 | ICOT    |
| 4      | Sonu     | 0177CS191168 | ICOT    |

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4 rows selected.



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## SQL Worksheet

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Run

```
1  -- ADD ONE COLUMN NAME WITH STUDENT ADDRESS
2  alter table iesCollge add studAddress varchar(50);
```

Table altered.

```
1 select * from iesCollege;
```

| STUDNO | STUDNAME | ROLLNO       | CLGNAME | STUDADDRESS |
|--------|----------|--------------|---------|-------------|
| 1      | Yuvan    | 0177CS191185 | ICOT    | -           |
| 2      | Rohit    | 0177CS191146 | ICOT    | -           |
| 3      | Ravi     | 0177CS191134 | ICOT    | -           |
| 4      | Sonu     | 0177CS191168 | ICOT    | -           |

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4 rows selected.

```
1 UPDATE iesCollege SET studAddress = 'Balaghat' where studName = 'Yuvan';  
2 UPDATE iesCollege SET studAddress = 'Balaghat' where studName = 'Rohit';  
3 UPDATE iesCollege SET studAddress = 'Bihar' where studName = 'Ravi';  
4 UPDATE iesCollege SET studAddress = 'Bihar' where studName = 'Sonu';
```

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

```
1 select * from iesCollege;
```

```
2
```

| STUDNO | STUDNAME | ROLLNO       | CLGNAME | STUDADDRESS |
|--------|----------|--------------|---------|-------------|
| 1      | Yuvan    | 0177CS191185 | ICOT    | Balaghat    |
| 2      | Rohit    | 0177CS191146 | ICOT    | Balaghat    |
| 3      | Ravi     | 0177CS191134 | ICOT    | Bihar       |
| 4      | Sonu     | 0177CS191168 | ICOT    | Bihar       |

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4 rows selected.



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Run



```
1  -- RENAME THE COLUMN NAME studName to sName .  
2  ALTER TABLE iesCollege RENAME COLUMN studName to sName;
```

Table altered.



```
1 select * from iesCollege;
```

| STUDNO | SNAME | ROLLNO       | CLGNAME | STUDADDRESS |
|--------|-------|--------------|---------|-------------|
| 1      | Yuvan | 0177CS191185 | ICOT    | Balaghat    |
| 2      | Rohit | 0177CS191146 | ICOT    | Balaghat    |
| 3      | Ravi  | 0177CS191134 | ICOT    | Bihar       |
| 4      | Sonu  | 0177CS191168 | ICOT    | Bihar       |

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```
1  -- CHANGE THE SIZE OF sName varchar(20) to varchar(25).  
2  ALTER TABLE iesCollege MODIFY sName varchar(25);
```

Table altered.



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Run



```
1  -- REMOVE/ DROP THE PRIMARY KEY
2  ALTER TABLE iesCollege DROP PRIMARY KEY;
```

Table altered.



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Run



```
1  -- ADD THE CONSTRAINT PRIMARY KEY IN sName
2  ALTER TABLE iesCollege ADD PRIMARY KEY (sName);
```

Table altered.



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Run



```
1  -- RENAME THE TABLE NAME iesCollege to iesStudent.  
2  ALTER TABLE iesCollege RENAME TO iesStudent;
```

Table altered.

```
1 select * from iesCollege;
```

ORA-00942: table or view does not exist

```
1 select * from iesStudent;
```

| STUDNO | SNAME | ROLLNO       | CLGNAME | STUDADDRESS |
|--------|-------|--------------|---------|-------------|
| 1      | Yuvan | 0177CS191185 | ICOT    | Balaghat    |
| 2      | Rohit | 0177CS191146 | ICOT    | Balaghat    |
| 3      | Ravi  | 0177CS191134 | ICOT    | Bihar       |
| 4      | Sonu  | 0177CS191168 | ICOT    | Bihar       |

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4 rows selected.



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## SQL Worksheet

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Run

```
1  -- CREATE DUMMY TABLE OF iesStudent.  
2  create table iesStudDummy as select * from iesStudent;
```

Table created.



```
1 desc iesStudDummy;
```

TABLE IESSTUDDUMMY

| Column      | Null? | Type         |
|-------------|-------|--------------|
| STUDNO      | -     | NUMBER(5,0)  |
| SNAME       | -     | VARCHAR2(30) |
| ROLLNO      | -     | VARCHAR2(20) |
| CLGNAME     | -     | VARCHAR2(20) |
| STUDADDRESS | -     | VARCHAR2(50) |

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5 rows selected.



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## SQL Worksheet

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Run

```
1  -- DELET THE SECOND COLUMN OF iesStudDummy
2  ALTER TABLE iesStudDummy DROP COLUMN sName;
```

Table altered.

```
1 desc iesStudDummy;
```

TABLE IESSTUDDUMMY

| Column      | Null? | Type         |
|-------------|-------|--------------|
| STUDNO      | -     | NUMBER(5,0)  |
| ROLLNO      | -     | VARCHAR2(20) |
| CLGNAME     | -     | VARCHAR2(20) |
| STUDADDRESS | -     | VARCHAR2(50) |

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4 rows selected.



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## SQL Worksheet

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Run

```
1  -- WRITE COMMAND FOR DROP, DELETE AND TRUNCATE THE TABLE.
2
3  -- COMMAND FOR DROP THE TABLE
4  DROP TABLE iesStudDummy;
5  -- COMMAND FOR DELETE THE RECORDS FROM TABLE
6  DELETE FROM iesStudDummy WHERE rollNo = 4;
7  -- COMMAND FOR TRUNCATE THE TABLE
8  TRUNCATE TABLE iesStudDummy;
```



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Run

```
1  -- WRITE COMMAND FOR COMMIT, ROLLBACK THE TABLE.
2
3  -- COMMAND FOR COMMIT THE TABLE
4  SELECT * FROM iesStudDummy WHERE rollNo = 1;
5  COMMIT;
6
7  -- COMMAND FOR ROLLBACK THE RECORDS FROM TABLE
8  SELECT * FROM iesStudDummy WHERE rollNo = 1;
9  ROLLBACK;
```