

# INSERTING DATA

≡ ○ Live SQL

Feedback Help yash.kasaudhan\_cs22@glia.ac.in

SQL Worksheet

Clear Find Actions Save Run

```
5
6
7 /*filling data in table college*/
8 INSERT ALL
9     INTO college VALUES('stanford','CA',15000)
10    INTO college VALUES('berkeley','CA',30000)
11 SELECT 1 FROM dual
12
13 INSERT INTO college(cName,state,enrollment)
14     WITH c AS(
15         SELECT 'MIT','MA',10000 FROM dual UNION ALL
16         SELECT 'cornell','NY',21000 FROM dual UNION ALL
17         SELECT 'Harvard','MA',50040 FROM dual
18     )
19 SELECT * FROM c;
```

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SQL Worksheet

Clear Find Actions Save Run

```
21 /*filling data in table student*/
22 INSERT ALL
23     INTO student VALUES(123,'Amy',3.9,1000,'26-JUN-96')
24    INTO student VALUES(234,'Bob',3.6,1500,'7-APR-95')
25    INTO student VALUES(345,'Craig',3.5,500,'4-FEB-95')
26    INTO student VALUES(456,'Doris',3.9,1000,'24-JUL-97')
27    INTO student VALUES(567,'Edward',2.9,2000,'21-DEC-96')
28    INTO student VALUES(678,'Fay',3.8,200,'27-AUG-96')
29    INTO student VALUES(789,'Gary',3.4,800,'8-OCT-96')
30    INTO student VALUES(987,'Helen',3.7,800,'27-MAR-97')
31    INTO student VALUES(876,'Irene',3.9,400,'7-MAR-96')
32    INTO student VALUES(765,'Jay',2.9,1500,'8-AUG-98')
33    INTO student VALUES(654,'Amy',3.9,1000,'26-MAY-96')
34    INTO student VALUES(543,'Craig',3.4,2000,'27-AUG-98')
35 SELECT 1 FROM dual;
```



## INSERTING DATA

```
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SQL Worksheet Clear Find Actions Save Run
37 /*filling data inside table apply*/
38 INSERT ALL
39 INTO apply VALUES(123,'Stanford','CS','Y')
40 INTO apply VALUES(123,'Stanford','EE','N')
41 INTO apply VALUES(123,'Berkeley','CS','Y')
42 INTO apply VALUES(123,'Cornell','EE','Y')
43 INTO apply VALUES(234,'Berkeley','biology','N')
44 INTO apply VALUES(345,'MIT','bioengineering','Y')
45 INTO apply VALUES(345,'Cornell','bioengineering','N')
46 INTO apply VALUES(345,'Cornell','CS','Y')
47 INTO apply VALUES(345,'Cornell','EE','N')
48 INTO apply VALUES(678,'Stanford','history','Y')
49 INTO apply VALUES(987,'Stanford','CS','Y')
50 INTO apply VALUES(987,'Berkeley','CS','Y')
51 INTO apply VALUES(876,'Stanford','CS','N')
```

```
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SQL Worksheet Clear Find Actions Save Run
44 INTO apply VALUES(345,'MIT','bioengineering','Y')
45 INTO apply VALUES(345,'Cornell','bioengineering','N')
46 INTO apply VALUES(345,'Cornell','CS','Y')
47 INTO apply VALUES(345,'Cornell','EE','N')
48 INTO apply VALUES(678,'Stanford','history','Y')
49 INTO apply VALUES(987,'Stanford','CS','Y')
50 INTO apply VALUES(987,'Berkeley','CS','Y')
51 INTO apply VALUES(876,'Stanford','CS','N')
52 INTO apply VALUES(876,'MIT','biology','Y')
53 INTO apply VALUES(876,'MIT','marine biology','N')
54 INTO apply VALUES(765,'Stanford','history','Y')
55 INTO apply VALUES(765,'Cornell','history','N')
56 INTO apply VALUES(765,'Cornell','psychology','Y')
57 INTO apply VALUES(543,'MIT','CS','N')
58 SELECT * FROM dual

19 row(s) inserted.
```

Q1

  Live SQL



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SQL Worksheet Clear Find Actions Save Run

```
61
62 /*list the student name, dob from student table*/
63 SELECT sName, DOB from student
64
```

SNAME	DOB
Amy	26-JUN-96
Bob	07-APR-95
Craig	04-FEB-95
Doris	24-JUL-97
Edward	21-DEC-96
Fay	27-AUG-96
Gary	08-OCT-96
Helen	27-MAR-97
Irene	07-MAR-96
Jay	08-AUG-98
Amy	26-MAY-96
Craig	27-AUG-98

Q2

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SQL Worksheet

ClearFindActionsSaveRun



```
66  /*list the name of student scoring more than 3.7 in GPA.*/
67  SELECT sName from student WHERE GPA >3.7;
68
69
```

SNAME
Amy
Doris
Fay
Irene
Amy

Download CSV

5 rows selected.


Q3

  Live SQL

Feedback

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SQL Worksheet

Clear

Find

Actions

Save

Run

69

70

71

72

73

74

75

76

77

78

79

/\*list the name of student whose HIgh school size is alleast 1000 and born after 1996. \*/

SELECT sName from student WHERE sizeHS >1000 AND DOB> '31-Dec-1996';

SNAME



Jay


Craig

Download CSV

2 rows selected.

Q4

  Live SQL

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SQL Worksheet Clear Find Actions Save Run

```
73  /* list the name of student who are scoring GPA in between 2.9 and 3.9*/
74  SELECT sName from student WHERE GPA > 2.9 AND GPA <3.9;
75
76
77
78
79
80
```

SNAME
Bob
Craig
Fay
Gary
Helen
Craig

Q5

LIVE SQL

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SQL Worksheet




ClearFindActionsSaveRun



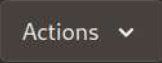


```
75
76 /*List all the details fo colleges who situated in MA.*/
77 SELECT * FROM college, apply WHERE state='MA';
78
79
```

CNAME	STATE	ENROLLMENT	SID	CNAME	MAJOR	DECISION
MIT	MA	10000	123	Stanford	CS	Y
MIT	MA	10000	123	Stanford	EE	N
MIT	MA	10000	123	Berkeley	CS	Y
MIT	MA	10000	123	Cornell	EE	Y
MIT	MA	10000	234	Berkeley	biology	N
MIT	MA	10000	345	MIT	bioengineering	Y
MIT	MA	10000	345	Cornell	bioengineering	N

Q6

  Live SQL

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SQL Worksheet  Clear  Find   Save 

```
78
79 /*list the student who scored more than 2.0 but less than 3.5*/
80 SELECT sName FROM student WHERE GPA >2.0 AND GPA <3.5;
81
82
83
```



SNAME
Edward
Gary
Jay
Craig

Download CSV

4 rows selected.



Q7

  Live SQL

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SQL Worksheet



ClearFindActionsSaveRun


81  
82 /\* List the students who ahve born after 1st july 1996 in the order of the date of birth\*/  
83 SELECT sName FROM student WHERE DOB>'1-JUL-1996' ORDER BY DOB;  
84  
85

SNAME
Fay
Gary
Edward
Helen
Doris
Jay
Craig

Download CSV

Q8

  Live SQL

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SQL Worksheet

Clear Find Actions Save Run

```
84
85 /*List the sID, cName, descision of application that are accepted.*/
86 SELECT sID,cName, decision FROM apply WHERE decision='Y';
87
```

SID	CNAME	DECISION
123	Stanford	Y
123	Berkeley	Y
123	Cornell	Y
345	MIT	Y
345	Cornell	Y
678	Stanford	Y
987	Stanford	Y
987	Berkeley	Y
876	MIT	Y
765	Stanford	Y
765	Cornell	Y



Q9

 Live SQL


Feedback


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



SQL Worksheet

 Clear

 Find

Actions ▾

 Save

Run 



```
1 /*list the sid, cName fo application which are filled at stanford*/
2 SELECT sid,cName FROM apply WHERE cName = 'Stanford';
```



SID	CNAME
123	Stanford
123	Stanford
678	Stanford
987	Stanford
876	Stanford
765	Stanford

Download CSV

6 rows selected.

## Q10

  Live SQL

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SQL Worksheet

Clear Find Actions Save Run


```
1 /*list the sid, cName fo application which are filled at stanford*/
2 SELECT sId,cName FROM apply WHERE cName = 'Stanford';
3
4 /*list the colleges that that has enrollment greater than 10001.*/
5 SELECT cName FROM college WHERE enrollment>10001;
```

CNAME
stanford
berkeley
cornell
Harvard

Download CSV

4 rows selected.

## Q11

 Live SQL

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SQL Worksheet

ClearFindActionsSaveRun

```
1 /*list the colleges not in california*/
2 SELECT cName FROM college WHERE state != 'CA';
3
4
5
```

CNAME
stanford
berkeley
cornell

Download CSV

3 rows selected.

## Q12

  Live SQL

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

SQL Worksheet

Clear Find Actions Save Run

```
1 /*list the colleges not in california*/
2 SELECT cName FROM college WHERE state !='CA';
3
4 /* list names fo all student who came from high school having size greater than 17000 and scored gpa less than 3.8*/
5 SELECT sName FROM student WHERE sizeHs>17000 AND GPA<3.8;
```

no data found

## Q13

  Live SQL

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SQL Worksheet

Clear Find Actions Save Run

```
6 /*Display the description fo the student table*/
7 DESC student;
8
9
10
```

TABLE STUDENT

Column	Null?	Type
SID	-	NUMBER
SNAME	-	VARCHAR2(10)
GPA	-	NUMBER(2,1)
SIZEHS	-	NUMBER
DOB	-	DATE

Download CSV

5 rows selected.

# Q14

≡

Live SQL

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SQL Worksheet

ClearFindActionsSaveRun

```
1 --
2 --
3 --
4 --
5 --
6 --
7 --
8 /*Display the details fo all students*/
9 SELECT * FROM student;
10
```

SID	SNAME	GPA	SIZES	DOB
123	Amy	3.9	1000	26-JUN-96
234	Bob	3.6	1500	07-APR-95
345	Craig	3.5	500	04-FEB-95
456	Doris	3.9	1000	24-JUL-97
567	Edward	2.9	2000	21-DEC-96
678	Fay	3.8	200	27-AUG-96
789	Gary	3.4	800	08-OCT-96
987	Helen	3.7	800	27-MAR-97
876	Irene	3.9	400	07-MAR-96
765	Jay	2.9	1500	08-AUG-98
654	Amy	3.9	1000	26-MAY-96
543	Craig	3.4	2000	27-AUG-98
123	Amy	3.9	1000	26-JUN-96
234	Bob	3.6	1500	07-APR-95
345	Craig	3.5	500	04-FEB-95
456	Doris	3.9	1000	24-JUL-97
567	Edward	2.9	2000	21-DEC-96
678	Fay	3.8	200	27-AUG-96
789	Gary	3.4	800	08-OCT-96
987	Helen	3.7	800	27-MAR-97
876	Irene	3.9	400	07-MAR-96
765	Jay	2.9	1500	08-AUG-98
654	Amy	3.9	1000	26-MAY-96
543	Craig	3.4	2000	27-AUG-98

Download CSV

24 rows selected.



## Q15



### SQL Worksheet

Clear

Find

Actions



Save


Run


```
11 /*Display unique majors*/
12 SELECT DISTINCT major FROM apply;
13
14
15
16
17
18
19
20
```



MAJOR
marine biology
psychology
EE
biology
history
bioengineering
CS


## Q16

  Live SQL


 Feedback


 Help


 yash.kasaudhan\_cs22@gla.ac.in 





SQL Worksheet

 Clear

 Find

Actions 

 Save

Run 

14

/\*list the student names those are having three characters in their names.\*/



15


SELECT sName FROM student WHERE sName LIKE '\_\_\_';

16

SNAME
Amy
Bob
Fay
Jay
Amy
Amy
Bob
Fay
Jay
Amy

## Q17

  Live SQL

Feedback Help yash.kasaudhan\_cs22@gla.ac.in 

SQL Worksheet

Clear Find Actions Save Run



```
17 /*list the student names those are starting with 'H' and with five characacters*/
18 SELECT sName FROM student WHERE sName LIKE 'H_____';
19
20
21
22
```


SNAME
Helen
Helen

Download CSV

2 rows selected.

## Q18

  Live SQL

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SQL Worksheet

Clear Find Actions Save Run

```
20 /*list the students names ending with 'y'*/
21 SELECT sName FROM student WHERE sName LIKE '%y';
22
23
```

SNAME
Amy
Fay
Gary
Jay
Amy
Amy
Fay
Gary
Jay
Amy

## Q19

Live SQL

Feedback Help yash.kanwar@yash.ac.in

SQL Worksheet

Clear Find Actions Save Run

```
23 --Test the students in order of their gpa
24 SELECT sname FROM student ORDER BY gpa;
25
```

Craig	3.4
Gary	3.4
Gary	3.4
Craig	3.4
Craig	3.5
Craig	3.5
Bob	3.6
Bob	3.6
HeLen	3.7
HeLen	3.7
Fay	3.8
Fay	3.8
Irene	3.8
Amy	3.8
Doris	3.9
Amy	3.9
Irene	3.9
Amy	3.9
Doris	3.9
Amy	3.9

Q20

Live SQL

Feedback

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SQL Worksheet

ClearFindActionsSaveRun

26

27

28

/\* List the details of the students in order of the ascending of gpa and descending of dob\*/

SELECT \* FROM student ORDER BY gpa ASC, DOB DESC;

SID	SNAME	GPA	SIZES	DOB
765	Jay	2.9	1500	08-AUG-98
765	Jay	2.9	1500	08-AUG-98
567	Edward	2.9	2800	21-DEC-96
567	Edward	2.9	2800	21-DEC-96
543	Craig	3.4	2800	27-AUG-98
543	Craig	3.4	2800	27-AUG-98
789	Gary	3.4	800	08-OCT-98
789	Gary	3.4	800	08-OCT-98
345	Craig	3.5	500	04-FEB-95
345	Craig	3.5	500	04-FEB-95
234	Bob	3.6	1500	07-APR-95
234	Bob	3.6	1500	07-APR-95
987	Helen	3.7	800	27-MAR-97
987	Helen	3.7	800	27-MAR-97
678	Fay	3.8	200	27-AUG-96
678	Fay	3.8	200	27-AUG-96
456	Doris	3.9	1800	24-JUL-97
456	Doris	3.9	1800	24-JUL-97
123	Amy	3.9	1800	26-JUN-96
123	Amy	3.9	1800	26-JUN-96
654	Amy	3.9	1800	26-MAY-96
654	Amy	3.9	1800	26-MAY-96
876	Irene	3.9	400	07-MAR-96
876	Irene	3.9	400	07-MAR-96

Download CSV

24 rows selected.

Q21

Q22

Live SQL

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SQL Worksheet

ClearFindActionsSaveRun

33 /\*Delete all application filled at stanford(choose table wisely)\*/

34 DELETE FROM apply WHERE cname = 'Stanford';

35


SID	CNAME	MAJOR	DECISION
123	Berkeley	CS	Y
123	Cornell	EE	Y
234	Berkeley	biology	N
345	MIT	bioengineering	Y
345	Cornell	bioengineering	N
345	Cornell	CS	Y
345	Cornell	EE	N
987	Berkeley	CS	Y
876	MIT	biology	Y
876	MIT	marine biology	N
765	Cornell	history	N
765	Cornell	psychology	Y
543	MIT	CS	N
123	Berkeley	CS	Y
123	Cornell	EE	Y
234	Berkeley	biology	N
345	MIT	bioengineering	Y
345	Cornell	bioengineering	N
345	Cornell	CS	Y
345	Cornell	EE	N
987	Berkeley	CS	Y
876	MIT	biology	Y
876	MIT	marine biology	N
765	Cornell	history	N
765	Cornell	psychology	Y
543	MIT	CS	N

Download CSV



## Q23

### SQL Worksheet

 Clear

 Find

Actions 

 Save


Run 

```
38  
39 /*Modify the gpa of all studens by gibving 10% raise in their gpa*/  
40 UPDATE student SET gpa = gpa+gpa/10;  
41  
42  
43  
44
```

24 row(s) updated.

## Q24

### SQL Worksheet

 Clear

 Find

Actions 

 Save


Run 

```
42 /*Increment the gpa of the students by 1.5 whose gpa is less than 3.5 and belong to high schol having size greater than 1500*/  
43 UPDATE student SET gpa = gpa+1.5 WHERE gpa<3.5 and sizeHS>1500;  
44  
45  
46  
47  
48  
49  
50  
51
```

2 row(s) updated.

## Q25

### SQL Worksheet

 Clear

 Find

Actions 

 Save

Run 

```
45  
46 /*Delete the students who have scored less than 3.2 gpa*/  
47 DELETE FROM student WHERE gpa <3.2;  
48  
49  
50  
51  
52  
53
```

0 row(s) deleted.