

## EXAMPLE #13

FIND STUDENTID, FIRST, LAST NAMES FOR  
STUDENTS WHOSE DORMITORY IS 'AKBAR HALL'

# FIND STUDENTID, FIRST, LAST NAMES FOR STUDENTS WHOSE DORMITORY IS 'AKBAR HALL'

THIS IS A TABLE NAMED 'CAMPUS\_HOUSING'

StudentID	DormitoryName	AptNumber
1	Gandhi House	110
2	Akbar Hall	231
3	Gandhi House	345
4	NULL	NULL

COLUMNS ARE NAMED 'STUDENTID', 'DORMITORYNAME', 'APTNUMBER'

THIS IS A TABLE NAMED 'STUDENTS'

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan	M	vitthal@loonycorn.com

COLUMNS ARE NAMED 'STUDENTID', 'FIRSTNAME', 'LASTNAME', 'GENDER' AND 'EMAIL'

FIND STUDENTID, FIRST, LAST NAMES FOR  
STUDENTS WHOSE DORMITORY IS 'AKBAR HALL'

WHICH  
ROWS?

WHERE DORM  
IS CALLED  
'AKBAR HALL'

WHICH  
COLUMNS?

STUDENTID,  
FIRSTNAME,  
LASTNAME

WHICH  
TABLES?  
STUDENTS,  
CAMPUS\_  
HOUSING

FIND STUDENTID, FIRST, LAST NAMES FOR  
STUDENTS WHOSE DORMITORY IS 'AKBAR HALL'

SELECT

WHICH  
COLUMNS?

STUDENTID, FIRSTNAME,  
LASTNAME

FROM

WHICH  
TABLES?

STUDENTS,  
CAMPUS\_HOUSING

WHERE

WHICH  
ROWS?

WHERE DORM  
IS CALLED  
'AKBAR HALL'

FIND STUDENTID, FIRST, LAST NAMES FOR  
STUDENTS WHOSE DORMITORY IS 'AKBAR HALL'

```
SELECT  STUDENTS . STUDENTID ,  
        FIRSTNAME ,  LASTNAME  
  
FROM    STUDENTS ,  
        CAMPUS_HOUSING  
  
WHERE   DORMITORYNAME =  
        'AKBAR HALL' ;
```



FIND STUDENTID, FIRST, LAST NAMES FOR  
STUDENTS WHOSE DORMITORY IS 'AKBAR HALL'

```
SELECT      STUDENTS.STUDENTID,  
            FIRSTNAME, LASTNAME  
  
FROM        STUDENTS,  
            CAMPUS_HOUSING  
  
WHERE       DORMITORYNAME =  
            'AKBAR HALL';
```

AND WE ALSO HAVE TO MATCH THE  
STUDENTID COLUMN IN THE 2 TABLES!

# AND WE ALSO HAVE TO MATCH THE STUDENTID COLUMN IN THE 2 TABLES!

StudentID	DormitoryName	AptNumber
1	Gandhi House	110
2	Akbar Hall	231
3	Gandhi House	345
4	NULL	NULL

**STUDENTS.STUDENTID =**  
**CAMPUS\_HOUSING.STUDENTID**

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan	M	vitthal@loonycorn.com

FIND STUDENTID, FIRST, LAST NAMES FOR  
STUDENTS WHOSE DORMITORY IS 'AKBAR HALL'

```
SELECT  STUDENTS.STUDENTID,  
        FIRSTNAME, LASTNAME  
  
FROM    STUDENTS,  
        CAMPUS_HOUSING  
  
WHERE   DORMITORYNAME = 'AKBAR HALL'  
        AND STUDENTS.STUDENTID =  
        CAMPUS_HOUSING.STUDENTID;
```



FIND STUDENTID, FIRST, LAST NAMES FOR  
STUDENTS WHOSE DORMITORY IS 'AKBAR HALL'

```
SELECT  S . STUDENTID , FIRSTNAME ,  
        LASTNAME  
  
FROM    STUDENTS S ,  
        CAMPUS_HOUSING C  
  
WHERE   DORMITORYNAME = 'AKBAR HALL'  
        AND S . STUDENTID =  
        C . STUDENTID ;
```

# FIND STUDENTID, FIRST, LAST NAMES FOR STUDENTS WHOSE DORMITORY IS 'AKBAR HALL'

StudentID	DormitoryName	AptNumber
1	Gandhi House	110
2	Akbar Hall	231
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4	NULL	NULL

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
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FIND STUDENTID, FIRST, LAST NAMES FOR  
STUDENTS WHOSE DORMITORY IS 'AKBAR HALL'

StudentID	FirstName	LastName
2	Swetha	Kolalapudi

## EXAMPLE #14

FIND STUDENTID, FIRST, LAST NAMES, DORMITORY  
FOR STUDENTS WHOSE GENDER IS FEMALE

# FIND STUDENTID, FIRST, LAST NAMES,DORMITORY FOR STUDENTS WHOSE GENDER IS FEMALE

THIS IS A TABLE NAMED 'CAMPUS\_HOUSING'

StudentID	DormitoryName	AptNumber
1	Gandhi House	110
2	Akbar Hall	231
3	Gandhi House	345
4	NULL	NULL

COLUMNS ARE NAMED 'STUDENTID',  
'DORMITORYNAME', 'APTNUMBER'

THIS IS A TABLE NAMED 'STUDENTS'

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonyc orn.com
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3	Navdeep	Singh	M	navdeep@loon ycorn.com
4	Vitthal	Srinivasan	M	vitthal@loonyc orn.com

COLUMNS ARE NAMED  
'STUDENTID', 'FIRSTNAME',  
'LASTNAME', 'GENDER' AND 'EMAIL'



# FIND STUDENTID, FIRST, LAST NAMES, DORMITORY FOR STUDENTS WHOSE GENDER IS FEMALE

StudentID	DormitoryName	AptNumber
1	Gandhi House	110
2	Akbar Hall	231
3	Gandhi House	345
4	NULL	NULL

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
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3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan	M	vitthal@loonycorn.com

# FIND STUDENTID, FIRST, LAST NAMES,DORMITORY FOR STUDENTS WHOSE GENDER IS FEMALE

StudentID	DormitoryName	AptNumber	FirstName	LastName	Gender	Email
1	Gandhi House	110	Janani	Ravi	F	janani@loonycorn.com
2	Akbar Hall	231	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Gandhi House	345	Navdeep	Singh	M	navdeep@loonycorn.com
4	NULL	NULL	Vitthal	Srinivasan	M	vitthal@loonycorn.com

FIND STUDENTID, FIRST, LAST NAMES, DORMITORY  
FOR STUDENTS WHOSE GENDER IS FEMALE

WHICH  
ROWS?  
WHERE  
GENDER IS  
FEMALE

WHICH  
COLUMNS?  
STUDENTID,  
DORMITORY,  
FIRSTNAME,  
LASTNAME

WHICH  
TABLES?  
STUDENTS,  
CAMPUS\_  
HOUSING

FIND STUDENTID, FIRST, LAST NAMES, DORMITORY  
FOR STUDENTS WHOSE GENDER IS FEMALE

SELECT WHICH  
COLUMNS?

STUDENTID, DORMITORY,  
FIRSTNAME, LASTNAME

FROM WHICH  
TABLES?

STUDENTS,  
CAMPUS\_HOUSING

WHERE WHICH  
ROWS?

WHERE GENDER IS  
FEMALE

**FIND STUDENTID, FIRST, LAST NAMES,DORMITORY  
FOR STUDENTS WHOSE GENDER IS FEMALE**

```
SELECT  S . STUDENTID , FIRSTNAME ,  
        LASTNAME , DORMITORYNAME  
  
FROM      STUDENTS S ,  
        CAMPUS_HOUSING C  
  
WHERE     GENDER = 'F' AND  
        S . STUDENTID = C . STUDENTID ;
```



# FIND STUDENTID, FIRST, LAST NAMES,DORMITORY FOR STUDENTS WHOSE GENDER IS FEMALE

StudentID	DormitoryName	AptNumber
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4	NULL	NULL	Vitthal	Srinivasan	M	vitthal@loonycorn.com

**FIND STUDENTID, FIRST, LAST NAMES,DORMITORY  
FOR STUDENTS WHOSE GENDER IS FEMALE**

StudentID	DormitoryName	FirstName	LastName
1	Gandhi House	Janani	Ravi
2	Akbar Hall	Swetha	Kolalapudi