## EXAMPLE #13

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

#### THIS IS A TABLE NAMED 'CAMPUS\_HOUSING'

StudentID	DormitoryName	AptNumber
a describe the state of the second se	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'

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

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	<u>janani@loonyc</u> orn.com
2	Swetha	Kolalapudi	F	swetha@loony corn.com
3	Navdeep	Singh	M	navdeep@loon ycorn.com
4	Vitthal	Srinivasan	M	vitthal@loonyc orn.com

WHICH ROWS? WHERE PORM IS CALLED AKBAR HALL WHICH COLUMNS?
STUDENTIR, FIRSTNAME, LASTNAME

WHICH TABLES? STUPENTS, CAMPUS\_ HOUSING

SELECT

WHICH COLUMNS?

STUDENTID, FIRSTNAME, LASTNAME

FROM

WHICH TABLES? STUPENTS, CAMPUS\_HOUSING

WHERE

WHICH KOVS? WHERE PORM IS CALLED 'AKBAR HALL'

SELECT STUDENTS.STUDENTID,
FIRSTNAME, LASTNAME

FROM STUDENTS,
CAMPUS HOUSING

DORMITORYNAME = 'AKBAR HALL';

SELECT 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
	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	<u>janani@loonyc</u> orn.com
2	Swetha	Kolalapudi	F	swetha@loony corn.com
3	Navdeep	Singh	M	navdeep@loon vcorn.com
4	Vitthal	Srinivasan	M	vitthal@loonyc orn.com

SELECT STUDENTS.STUDENTID,
FIRSTNAME, LASTNAME

FROM STUDENTS,
CAMPUS HOUSING

WHERE DORMITORYNAME = 'AKBAR HALL'

AND STUDENTS.STUDENTID =

CAMPUS HOUSING.STUDENTID;

SELECT S.STUDENTID, FIRSTNAME,
LASTNAME

FROM

STUDENTS S,
CAMPUS\_HOUSING C

WHERE DORMITORYNAME = 'AKBAR HALL'
AND S.STUDENTID =

C.STUDENTID;

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

	StudentID	FirstName	LastName	Gender	Email
	1	Janani	Ravi	F	<u>janani@loonyc</u> orn.com
Bright Bright Co.	2	Swetha	Kolalapudi	F	swetha@loony corn.com
	3	Navdeep	Singh	M	navdeep@loon vcorn.com
	4	Vitthal	Srinivasan	M	vitthal@loonyc orn.com

StudentID	FirstName	LastName
2	Swetha	Kolalapudi

## EXAMPLE #14

#### 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'

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

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonyc orn.com
2	Swetha	tha Kolalapudi F		swetha@loony corn.com
3	Navdeep	Singh	M	navdeep@loon ycorn.com
4	Vitthal	Srinivasan	М	vitthal@loonyc orn.com

StudentID	DormitoryN	AptNumber
	ame Gandhi House	
2	Akbar Hall	291
3	Gandhi House	345
4		NULL

StudentID	DormitoryN ame	AptNumber	FirstName	LastName	Gender	Email
1	Gandhi House	110	Janani	Ravi	F	anani@loony corn.com
2	Akbar Hall	231	Swetha	Kolalapudi	F	<u>swetha@loon</u> <u>ycorn.com</u>
3	Gandhi House	345	Navdeep	Singh	M	navdeep@lo onycorn.com
4	NULL	NULL	Vitthal	Srinivasan	M	vitthal@loony corn.com

WHICH ROWS? WHERE GENDER IS FEMALE

WHICH COLUMNS? STUPENTIP, PORMITORY, FIRSTNAME, LASTNAME

WHICH TABLES? STUPENTS, CAMPUS\_ HOUSING

SELECT

WHICH COLUMNS?

STUDENTID, DORMITORY, FIRSTNAME, LASTNAME

FROM

WHICH TABLES? STUPENTS, CAMPUS\_HOUSING

WHERE

WHICH KOVS? WHERE GENDER IS FEMALE

SELECT S.STUDENTID, FIRSTNAME,
LASTNAME, DORMITORYNAME

FROM STUDENTS S,
CAMPUS HOUSING C

WHERE GENDER = 'F' AND

S.STUDENTID = C.STUDENTID'

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@loonyc orn.com
2	Swetha	Kolalapudi	F	swetha@loony corn.com
3	Navdeep	Singh	M	navdeep@loon vcorn.com
4	Vitthal	Srinivasan	M	vitthal@loonyc orn.com

StudentID	DormitoryN ame	AptNumber	
	Gandhi	. 110	and a given by the second and the se
	House		
2	Akbar Hall	231	
	ANDALTIALI	201	
3	Gandhi	345	
	House		
1		N.I. II.	and the second line of the second control of the second control of the second control of the second control of
4	INOLL	IVULL	

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonyco rn.com
2	Swetha	Kolalapudi	F	swetha@loonyc orn.com
3	Navdeep	Singh	M	navdeep@loon ycorn.com
4	Vitthal	Srinivasan	М	vitthal@loonyco rn.com

	StudentID	DormitoryN ame	AptNumber	FirstName	LastName	Gender	Email
	1	Gandhi House	110	Janani	Ravi	F	j <u>anani@loony</u> <u>corn.com</u>
Company of the Company	2	Akbar Hall	231	Swetha	Kolalapudi	F	<u>wetha@loon</u> <u>ycorn.com</u>
	3	Gandhi House	345	Navdeep	Singh	M	havdeep@lo onycorn.com
	4	NULL	NULL	Vitthal	Srinivasan	M	vitthal@loony corn.com

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