Name: Jarosław Rybak

Class: CS 331

Project: 3

Create Tables:

**CREATE TABLE Students(**

**student\_id VARCHAR2(11)Primary Key,**

**student\_first VARCHAR2(20),**

**student\_last VARCHAR2(20),**

**student\_state VARCHAR2(2),**

**student\_city VARCHAR2(20),**

**student\_zip CHAR(5)**

**);**

**CREATE TABLE Guardians(**

**guardian\_id VARCHAR2(11) PRIMARY KEY,**

**guardian\_first VARCHAR2(20),**

**guardian\_last VARCHAR2(20),**

**guardian\_phone VARCHAR2(11),**

**guardian\_email VARCHAR2(35)**

**);**

**CREATE TABLE Schools(**

**school\_id VARCHAR2(11) PRIMARY KEY,**

**school\_name VARCHAR2(35),**

**school\_state VARCHAR2(2),**

**school\_city VARCHAR2(20),**

**school\_zip CHAR(5),**

**school\_borough VARCHAR2(15),**

**school\_district NUMBER(5)**

**);**

**CREATE TABLE Staff(**

**staff\_id VARCHAR2(11) PRIMARY KEY,**

**staff\_first VARCHAR2(20),**

**staff\_last VARCHAR2(20),**

**staff\_job\_title VARCHAR2(15),**

**staff\_state VARCHAR2(2),**

**staff\_city VARCHAR2(20),**

**staff\_zip CHAR(5)**

**);**

**CREATE TABLE Vaccine\_Sudents(**

**Vacc\_ID VARCHAR2(11) PRIMARY KEY,**

**student\_id VARCHAR2(11),**

**FOREIGN KEY (student\_id) REFERENCES Students(student\_id),**

**Vacc\_brand VARCHAR2(20),**

**Vacc\_first NUMBER(1) DEFAULT 0 NOT NULL,**

**Vacc\_last NUMBER(1) DEFAULT 0 NOT NULL**

**);**

**CREATE TABLE Vaccine\_Staff(**

**Vacc\_ID VARCHAR2(11) PRIMARY KEY,**

**staff\_id VARCHAR2(11),**

**FOREIGN KEY (staff\_id) REFERENCES Staff(staff\_id),**

**Vacc\_brand VARCHAR2(20),**

**Vacc\_first NUMBER(1) DEFAULT 0 NOT NULL,**

**Vacc\_last NUMBER(1) DEFAULT 0 NOT NULL**

**);**

**CREATE TABLE Consent\_Form(**

**student\_id VARCHAR2(11),**

**FOREIGN KEY (student\_id) REFERENCES Students(student\_id),**

**consent\_type VARCHAR2(10) DEFAULT 'Not Given' NOT NULL,**

**consent\_date date**

**);**

**ALTER table consent\_form**

**ADD form\_id VARCHAR2(11) PRIMARY KEY;**

**CREATE TABLE Students\_Guardians(**

**student\_id VARCHAR2(11),**

**FOREIGN KEY (student\_id) REFERENCES Students(student\_id),**

**guardian\_id VARCHAR2(11),**

**FOREIGN KEY (guardian\_id) REFERENCES Guardians(guardian\_id),**

**PRIMARY KEY (student\_id, guardian\_id)**

**);**

**CREATE TABLE Students\_Schools(**

**student\_id VARCHAR2(11),**

**FOREIGN KEY (student\_id) REFERENCES Students(student\_id),**

**School\_id VARCHAR2(11),**

**FOREIGN KEY (School\_id) REFERENCES Schools(School\_id),**

**PRIMARY KEY (student\_id, School\_id)**

**);**

**CREATE TABLE Staff\_Schools(**

**STAFF\_ID VARCHAR2(11),**

**FOREIGN KEY (STAFF\_ID) REFERENCES Staff(STAFF\_ID),**

**School\_id VARCHAR2(11),**

**FOREIGN KEY (School\_id) REFERENCES Schools(School\_id),**

**PRIMARY KEY (STAFF\_ID, School\_id)**

**);**

**ALTER TABLE staff**

**MODIFY STAFF\_JOB\_TITLE VARCHAR2(20);**

**INSERT INTO students(student\_id, student\_first, STUDENT\_LAST, STUDENT\_STATE, STUDENT\_CITY, STUDENT\_ZIP)**

**WITH student\_insert AS (**

**SELECT '101', 'Alice', 'Zeal', 'NY', 'Queens', '11375' FROM dual UNION ALL**

**SELECT '102', 'Beata', 'Zeal', 'NY', 'Queens', '11375' FROM dual UNION ALL**

**SELECT '201', 'Carol', 'Yent', 'NY', 'Brooklyn', '11201' FROM dual UNION ALL**

**SELECT '301', 'Daniel', 'Rorum', 'NY', 'Brooklyn', '11204' FROM dual UNION ALL**

**SELECT '302', 'Kevin', 'Wolrit', 'NY', 'Brooklyn', '11222' FROM dual UNION ALL**

**SELECT '303', 'Eve', 'Berry', 'NY', 'Brooklyn', '11229' FROM dual UNION ALL**

**SELECT '401', 'Merick', 'Ishtar', 'NY', 'Queens', '11368' FROM dual UNION ALL**

**SELECT '501', 'Jessica', 'Harumn', 'NY', 'Queens', '11101' FROM dual UNION ALL**

**SELECT '601', 'Shala', 'Brown', 'NY', 'Bronx', '10452' FROM dual UNION ALL**

**SELECT '602', 'Frank', 'Fishman', 'NY', 'Bronx', '10454' FROM dual**

**) SELECT \* FROM student\_insert;**

**INSERT INTO Staff(STAFF\_ID, STAFF\_FIRST, STAFF\_LAST, STAFF\_JOB\_TITLE, STAFF\_STATE, STAFF\_CITY, STAFF\_ZIP)**

**WITH staff\_insert AS (**

**SELECT '1101', 'Amareth', 'Andara', 'Teacher', 'NY', 'Queens', '11375' FROM dual UNION ALL**

**SELECT '1102', 'Brandon', 'Bick', 'Custodian', 'NY', 'Queens', '11375' FROM dual UNION ALL**

**SELECT '2201', 'Cristeen', 'Caramel', 'Principal', 'NY', 'Brooklyn', '11201' FROM dual UNION ALL**

**SELECT '2301', 'David', 'Desh', 'Assistant Principal', 'NY', 'Brooklyn', '11204' FROM dual UNION ALL**

**SELECT '2302', 'Kamil', 'Kent', 'Custodian', 'NY', 'Brooklyn', '11222' FROM dual UNION ALL**

**SELECT '2303', 'Elly', 'Ecto', 'Teacher', 'NY', 'Brooklyn', '11229' FROM dual UNION ALL**

**SELECT '3401', 'Moka', 'Mitrus', 'Custodian', 'NY', 'Queens', '11368' FROM dual UNION ALL**

**SELECT '3501', 'James', 'Juniper', 'Teacher', 'NY', 'Queens', '11101' FROM dual UNION ALL**

**SELECT '4601', 'Scar', 'Leo', 'Custodian', 'NY', 'Bronx', '10452' FROM dual UNION ALL**

**SELECT '4602', 'Filo', 'Aviant', 'Teacher', 'NY', 'Bronx', '10454' FROM dual**

**) SELECT \* FROM staff\_insert;**

**INSERT INTO Schools(SCHOOL\_ID, SCHOOL\_NAME, SCHOOL\_STATE, SCHOOL\_CITY, SCHOOL\_ZIP, SCHOOL\_BOROUGH, SCHOOL\_DISTRICT)**

**WITH school\_insert AS (**

**SELECT '125', 'PS 31', 'NY', 'Greenpoint', '11222', 'Brooklyn', 31 FROM dual UNION ALL**

**SELECT '168', 'PS 105', 'NY', 'Flushing', '11372', 'Queens', 105 FROM dual UNION ALL**

**SELECT '188', 'PS 135', 'NY', 'Rigwood', '11355', 'Queens', 135 FROM dual UNION ALL**

**SELECT '001', 'PS 1', 'NY', 'Something', '11375', 'Queens', 1 FROM dual UNION ALL**

**SELECT '146', 'Saint Nick HS', 'NY', 'Bronx', '10451', 'Bronx', 36 FROM dual UNION ALL**

**SELECT '191', 'Saint Nick GS', 'NY', 'Bronx', '10451', 'Bronx', 36 FROM dual UNION ALL**

**SELECT '134', 'PS 52', 'NY', 'Bronx', '10456', 'Bronx', 52 FROM dual UNION ALL**

**SELECT '154', 'Queens College', 'NY', 'Flushing', '11341', 'Queens', 86 FROM dual UNION ALL**

**SELECT '169', 'Brooklyn College', 'NY', 'Bushwick', '11236', 'Brooklyn', 29 FROM dual UNION ALL**

**SELECT '106', 'City Tech', 'NY', 'Brooklyn Hight', '11259', 'Brooklyn', 45 FROM dual**

**) SELECT \* FROM school\_insert;**

**INSERT INTO GUARDIANS(GUARDIAN\_ID, GUARDIAN\_FIRST, GUARDIAN\_LAST, GUARDIAN\_PHONE, GUARDIAN\_EMAIL)**

**WITH GUARDIANS\_insert AS (**

**SELECT '25', 'Ellen', 'Zeal', '7183895496', 'EPager@ymail.com' FROM dual UNION ALL**

**SELECT '35', 'Hans', 'Yent', '7183899632', 'YentMan@gmail.com' FROM dual UNION ALL**

**SELECT '45', 'Angelo', 'Rorum', '7183899547', 'Roman@hotmail.com' FROM dual UNION ALL**

**SELECT '55', 'Chris', 'Wolrit', '7183899173', 'Chris@hotmail.com' FROM dual UNION ALL**

**SELECT '65', 'Rassper', 'Berry', '7183894682', 'Fruity@gmail.com' FROM dual UNION ALL**

**SELECT '85', 'Phara', 'Ishtar', '7183894562', 'IshtarP@ymail.com' FROM dual UNION ALL**

**SELECT '95', 'Kolin', 'Harumn', '7183899146', 'KolinHa@hotmail.com' FROM dual UNION ALL**

**SELECT '31', 'Kyle', 'Brown', '7183892150', 'Bwoning@hotmail.com' FROM dual UNION ALL**

**SELECT '32', 'Shuria', 'Brown', '7183892150', 'ShuriaBrown@gmail.com' FROM dual UNION ALL**

**SELECT '09', 'Kody', 'Fishman', '7183891221', 'Fisherman@gmail.com' FROM dual**

**) SELECT \* FROM GUARDIANS\_insert;**

**INSERT INTO students\_guardians(STUDENT\_ID, GUARDIAN\_ID)**

**WITH Sud\_SU\_insert AS (**

**SELECT '101', '25' FROM dual UNION ALL**

**SELECT '102', '25' FROM dual UNION ALL**

**SELECT '201', '35' FROM dual UNION ALL**

**SELECT '301', '45' FROM dual UNION ALL**

**SELECT '302', '55' FROM dual UNION ALL**

**SELECT '303', '65' FROM dual UNION ALL**

**SELECT '401', '85' FROM dual UNION ALL**

**SELECT '501', '95' FROM dual UNION ALL**

**SELECT '601', '31' FROM dual UNION ALL**

**SELECT '601', '32' FROM dual UNION ALL**

**SELECT '602', '09' FROM dual**

**) SELECT \* FROM Sud\_SU\_insert;**

**INSERT INTO students\_schools(STUDENT\_ID, SCHOOL\_ID)**

**WITH Sud\_SU\_insert AS (**

**SELECT '101', '168' FROM dual UNION ALL**

**SELECT '102', '168' FROM dual UNION ALL**

**SELECT '201', '169' FROM dual UNION ALL**

**SELECT '301', '106' FROM dual UNION ALL**

**SELECT '302', '106' FROM dual UNION ALL**

**SELECT '303', '154' FROM dual UNION ALL**

**SELECT '401', '188' FROM dual UNION ALL**

**SELECT '501', '154' FROM dual UNION ALL**

**SELECT '601', '146' FROM dual UNION ALL**

**SELECT '602', '191' FROM dual**

**) SELECT \* FROM Sud\_SU\_insert;**

**INSERT INTO staff\_schools(STAFF\_ID, SCHOOL\_ID)**

**WITH Sud\_SU\_insert AS (**

**SELECT '2201', '125' FROM dual UNION ALL**

**SELECT '2301', '125' FROM dual UNION ALL**

**SELECT '1101', '168' FROM dual UNION ALL**

**SELECT '1102', '188' FROM dual UNION ALL**

**SELECT '3401', '001' FROM dual UNION ALL**

**SELECT '4601', '146' FROM dual UNION ALL**

**SELECT '4602', '191' FROM dual UNION ALL**

**SELECT '4602', '134' FROM dual UNION ALL**

**SELECT '3501', '154' FROM dual UNION ALL**

**SELECT '2303', '169' FROM dual UNION ALL**

**SELECT '2302', '106' FROM dual**

**) SELECT \* FROM Sud\_SU\_insert;**

**INSERT INTO consent\_form(FORM\_ID, STUDENT\_ID, CONSENT\_TYPE, CONSENT\_DATE)**

**WITH Sud\_SU\_insert AS (**

**SELECT '1001', '101', 'Not Given', to\_date('9999-01-01','YYYY-MM-DD') FROM dual UNION ALL**

**SELECT '2001', '102', 'Not Given', to\_date('9999-01-01','YYYY-MM-DD') FROM dual UNION ALL**

**SELECT '3002', '201', 'Authorized', to\_date('2021-03-01','YYYY-MM-DD') FROM dual UNION ALL**

**SELECT '4003', '301', 'Authorized', to\_date('2021-06-15','YYYY-MM-DD') FROM dual UNION ALL**

**SELECT '9005', '302', 'Authorized', to\_date('2021-07-05','YYYY-MM-DD') FROM dual UNION ALL**

**SELECT '6004', '302', 'Revoked', to\_date('2021-07-29','YYYY-MM-DD') FROM dual UNION ALL**

**SELECT '8008', '303', 'Vaccine', to\_date('2021-08-14','YYYY-MM-DD') FROM dual UNION ALL**

**SELECT '4007', '401', 'Authorized', to\_date('2021-05-26','YYYY-MM-DD') FROM dual UNION ALL**

**SELECT '3005', '501', 'Revoked', to\_date('2021-09-22','YYYY-MM-DD') FROM dual UNION ALL**

**SELECT '7005', '601', 'Vaccine', to\_date('2021-08-15','YYYY-MM-DD') FROM dual UNION ALL**

**SELECT '6008', '602', 'Authorized', to\_date('2021-07-11','YYYY-MM-DD') FROM dual**

**) SELECT \* FROM Sud\_SU\_insert;**

**INSERT INTO vaccine\_sudents(VACC\_ID, STUDENT\_ID, VACC\_BRAND, VACC\_FIRST, VACC\_LAST)**

**WITH v\_insert AS (**

**SELECT '658', '303', 'Moderna', 1, 1 FROM dual UNION ALL**

**SELECT '742', '601', 'Johnson and Johnson', 1, 0 FROM dual**

**) SELECT \* FROM v\_insert;**

**INSERT INTO vaccine\_staff(VACC\_ID, STAFF\_ID, VACC\_BRAND, VACC\_FIRST, VACC\_LAST)**

**WITH v\_insert AS (**

**SELECT '1658', '1101', 'Moderna', 1, 1 FROM dual UNION ALL**

**SELECT '1595', '1102', 'Moderna', 1, 1 FROM dual UNION ALL**

**SELECT '1236', '2201', 'Johnson and Johnson', 1, 0 FROM dual UNION ALL**

**SELECT '1456', '2301', 'Pfizer', 1, 1 FROM dual UNION ALL**

**SELECT '1005', '2302', 'Moderna', 1, 1 FROM dual UNION ALL**

**SELECT '1587', '2303', 'Johnson and Johnson', 1, 0 FROM dual UNION ALL**

**SELECT '1937', '3401', 'Pfizer', 1, 1 FROM dual UNION ALL**

**SELECT '1337', '4601', 'Pfizer', 1, 0 FROM dual UNION ALL**

**SELECT '1420', '4602', 'Johnson and Johnson', 1, 0 FROM dual**

**) SELECT \* FROM v\_insert;**

**Note: I was issues here so I used import CSV file option but with the same data**

**The Issue**

**Error at Command Line : 7 Column : 10**

**Error report -**

**SQL Error: ORA-00918: column ambiguously defined**

**00918. 00000 - "column ambiguously defined"**

**\*Cause:**

**\*Action:**

**ALTER TABLE students\_schools**

**ADD enrollment date;**

**UPDATE students\_schools**

**set enrollment = TO\_DATE('2021-11-20','YYYY-MM-DD')**

**WHERE school\_id = 168;**

Q1

Identify consent status of students enrolled on November 20 in PS 105.

Display the student name and consent status. Order the output by

student last name and first name.

**SELECT student\_first, student\_last, consent\_form.consent\_type**

**FROM students**

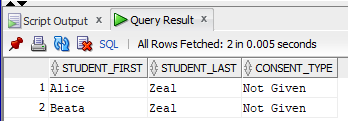
**JOIN consent\_form on consent\_form.student\_id = students.student\_id**

**JOIN students\_schools on students.student\_id = students\_schools.student\_id**

**JOIN Schools on schools.school\_id = students\_schools.school\_id**

**WHERE school\_name = 'PS 105'**

**ORDER BY student\_last, student\_first;**

****

Q2

Identify student consent status by schools in Brooklyn. Display 5

columns: borough, school, total students enrolled the school, number of

students with consent and percent of students with consent. Display

the school with the highest percent first.

SELECT school\_borough, school\_name, consent\_form.consent\_type ,COUNT(DISTINCT students.student\_id)

From students

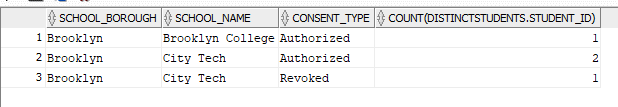
JOIN consent\_form on consent\_form.student\_id = students.student\_id

JOIN students\_schools on students.student\_id = students\_schools.student\_id

JOIN Schools on schools.school\_id = students\_schools.school\_id

where school\_borough = 'Brooklyn'

group by school\_name, school\_borough, consent\_form.consent\_type;



Q5

Identify students who have not returned the consent form from PS 105

to receive COVID-19 weekly testing. Display the school and student

name. Order the output by school and student.

**SELECT school\_name, student\_first, student\_last**

**From students**

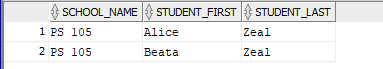
**JOIN consent\_form on consent\_form.student\_id = students.student\_id**

**JOIN students\_schools on students.student\_id = students\_schools.student\_id**

**JOIN Schools on schools.school\_id = students\_schools.school\_id**

**WHERE schools.school\_name = 'PS 105' and consent\_form.consent\_type = 'Not Given'**

**order by schools.school\_name, students.student\_last, students.student\_first;**

****

Q6

Identify students from Brooklyn schools without an assigned guardian.

Display the school and student name. Order the output by school and

student. Use a nested select to answer this question.

Note: I gave all mu students guardians

**SELECT schools.school\_name, students.student\_first, students.student\_last**

**From students**

**JOIN students\_schools on students.student\_id = students\_schools.student\_id**

**JOIN Schools on schools.school\_id = students\_schools.school\_id**

**where students.student\_id**

**not in (**

**SELECT students.student\_id**

**from students**

**JOIN students\_guardians on students.student\_id = students\_guardians.student\_id**

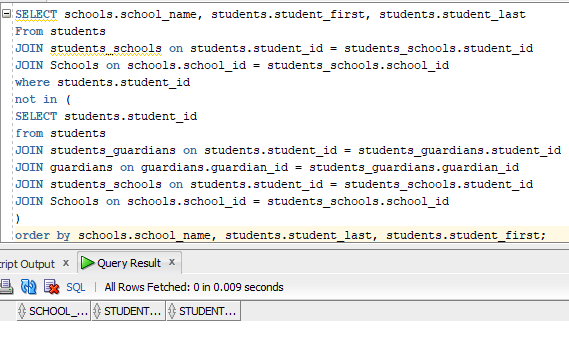
**JOIN guardians on guardians.guardian\_id = students\_guardians.guardian\_id**

**JOIN students\_schools on students.student\_id = students\_schools.student\_id**

**JOIN Schools on schools.school\_id = students\_schools.school\_id**

**)**

**order by schools.school\_name, students.student\_last, students.student\_first;**

****

Q7

Identify staff who have not received a vaccine. Display the assigned

school, staff name and address. Order the output the school and staff

name. Use a nested select to answer this question.

**SELECT schools.school\_name, staff.staff\_first, staff.staff\_last, staff.staff\_state, staff.staff\_city, staff.staff\_zip**

**from staff**

**JOIN staff\_schools on staff.staff\_id = staff\_schools.staff\_id**

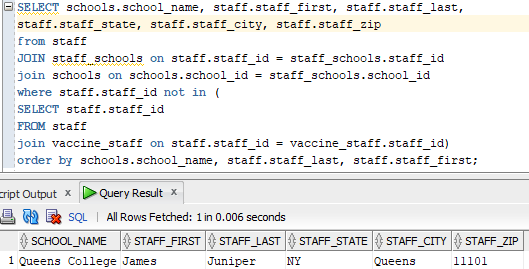
**join schools on schools.school\_id = staff\_schools.school\_id**

**where staff.staff\_id not in (**

**SELECT staff.staff\_id**

**FROM staff**

**join vaccine\_staff on staff.staff\_id = vaccine\_staff.staff\_id)**

**order by schools.school\_name, staff.staff\_last, staff.staff\_first;**

Q8

Identify students with more than 1 guardian. Display the student

name and number of guardians. Only display the students with more

than 1 guardian.

**SELECT students.student\_first, students.student\_last, COUNT(students.student\_id)**

**from students**

**JOIN students\_guardians on students.student\_id = students\_guardians.student\_id**

**JOIN guardians on students\_guardians.guardian\_id = guardians.guardian\_id**

**where students.student\_id in (**

**SELECT students.student\_id**

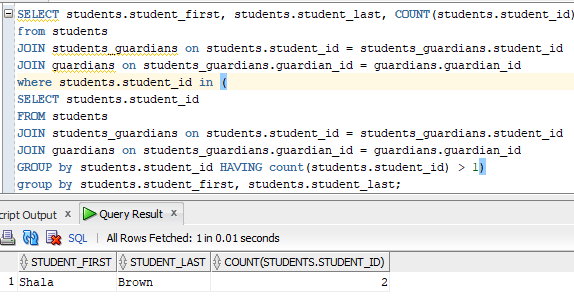
**FROM students**

**JOIN students\_guardians on students.student\_id = students\_guardians.student\_id**

**JOIN guardians on students\_guardians.guardian\_id = guardians.guardian\_id**

**GROUP by students.student\_id HAVING count(students.student\_id) > 1)**

**group by students.student\_first, students.student\_last;**

****

Q9

Except for 1 assistant principal, all staff assigned to PS 31 received

the COVID vaccine. Identify the SQL to implement.

**UPDATE vaccine\_staff**

**SET vacc\_first = 1, vacc\_last = 1**

**where staff\_id in (SELECT vaccine\_staff.staff\_id**

**FROM staff**

**JOIN staff\_schools on staff.staff\_id = staff\_schools.staff\_id**

**JOIN schools on staff\_schools.school\_id = schools.school\_id**

**JOIN vaccine\_staff on staff.staff\_id = vaccine\_staff.staff\_id**

**where staff.staff\_job\_title != 'Assistant Principal' and schools.school\_name = 'PS 31');**

**commit;**

Q10

Assistant principal David Desh was reassigned from PS 31 to PS 105.

Identify the SQL to implement.

**UPDATE staff\_schools**

**SET school\_id = '105'**

**where staff\_id IN (**

**SELECT staff\_schools.staff\_id**

**FROM staff\_schools**

**join staff on staff\_schools.staff\_id = staff.staff\_id**

**JOIN schools on staff\_schools.school\_id = schools.school\_id**

**where staff.staff\_job\_title = 'Assistant Principal'**

**and staff.staff\_first = 'David'**

**and staff.staff\_last = 'Desh'**

**and schools.school\_name = 'PS 31');**

**commit;**

Q11

Student Alice Zeal is no longer a student at any school in the NYC

Department of Education. Identify the SQL to implement.

**ALTER TABLE students\_schools**

**ADD status NUMBER(1) DEFAULT 0 NOT NULL;**

**UPDATE students\_schools**

**SET status = 1**

**where student\_id NOT IN (**

**SELECT students\_schools.student\_id**

**FROM students\_schools**

**JOIN students on students\_schools.student\_id = students.student\_id**

**where students.student\_first = 'Alice' and students.student\_last = 'Zeal');**

**Commit;**

Q12

Identify the number of active students currently enrolled at all schools.

Display the number.

**SELECT count(status)**

**from students\_schools**

**where status = 1**

**group by status;**



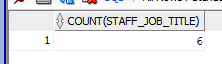
Q13

Identify the number of active non-teaching administrative staff

assigned to schools. Display the number.

**SELECT COUNT(staff\_job\_title)**

**from staff**

**where staff\_job\_title != 'Teacher';**

Q14

Display the structure of ALL tables using SQL Describe.

**DESC students;**

**DESC guardians;**

**DESC schools;**

**DESC staff;**

**DESC vaccine\_sudents;**

**DESC vaccine\_staff;**

**DESC consent\_form;**

**DESC students\_guardians;**

**DESC students\_schools;**

**desc staff\_schools;**

***Name Null? Type***

***------------- -------- ------------***

***STUDENT\_ID NOT NULL VARCHAR2(11)***

***STUDENT\_FIRST VARCHAR2(20)***

***STUDENT\_LAST VARCHAR2(20)***

***STUDENT\_STATE VARCHAR2(2)***

***STUDENT\_CITY VARCHAR2(20)***

***STUDENT\_ZIP CHAR(5)***

***Name Null? Type***

***-------------- -------- ------------***

***GUARDIAN\_ID NOT NULL VARCHAR2(11)***

***GUARDIAN\_FIRST VARCHAR2(20)***

***GUARDIAN\_LAST VARCHAR2(20)***

***GUARDIAN\_PHONE VARCHAR2(11)***

***GUARDIAN\_EMAIL VARCHAR2(35)***

***Name Null? Type***

***--------------- -------- ------------***

***SCHOOL\_ID NOT NULL VARCHAR2(11)***

***SCHOOL\_NAME VARCHAR2(35)***

***SCHOOL\_STATE VARCHAR2(2)***

***SCHOOL\_CITY VARCHAR2(20)***

***SCHOOL\_ZIP CHAR(5)***

***SCHOOL\_BOROUGH VARCHAR2(15)***

***SCHOOL\_DISTRICT NUMBER(5)***

***Name Null? Type***

***--------------- -------- ------------***

***STAFF\_ID NOT NULL VARCHAR2(11)***

***STAFF\_FIRST VARCHAR2(20)***

***STAFF\_LAST VARCHAR2(20)***

***STAFF\_JOB\_TITLE VARCHAR2(20)***

***STAFF\_STATE VARCHAR2(2)***

***STAFF\_CITY VARCHAR2(20)***

***STAFF\_ZIP CHAR(5)***

***Name Null? Type***

***---------- -------- ------------***

***VACC\_ID NOT NULL VARCHAR2(11)***

***STUDENT\_ID VARCHAR2(11)***

***VACC\_BRAND VARCHAR2(20)***

***VACC\_FIRST NOT NULL NUMBER(1)***

***VACC\_LAST NOT NULL NUMBER(1)***

***Name Null? Type***

***---------- -------- ------------***

***VACC\_ID NOT NULL VARCHAR2(11)***

***STAFF\_ID VARCHAR2(11)***

***VACC\_BRAND VARCHAR2(20)***

***VACC\_FIRST NOT NULL NUMBER(1)***

***VACC\_LAST NOT NULL NUMBER(1)***

***Name Null? Type***

***------------ -------- ------------***

***STUDENT\_ID VARCHAR2(11)***

***CONSENT\_TYPE NOT NULL VARCHAR2(10)***

***CONSENT\_DATE DATE***

***FORM\_ID NOT NULL VARCHAR2(11)***

***Name Null? Type***

***----------- -------- ------------***

***STUDENT\_ID NOT NULL VARCHAR2(11)***

***GUARDIAN\_ID NOT NULL VARCHAR2(11)***

***Name Null? Type***

***---------- -------- ------------***

***STUDENT\_ID NOT NULL VARCHAR2(11)***

***SCHOOL\_ID NOT NULL VARCHAR2(11)***

***ENROLLMENT DATE***

***STATUS NOT NULL NUMBER(1)***

***Name Null? Type***

***--------- -------- ------------***

***STAFF\_ID NOT NULL VARCHAR2(11)***

***SCHOOL\_ID NOT NULL VARCHAR2(11)***

Q15

Display the version of Oracle.

