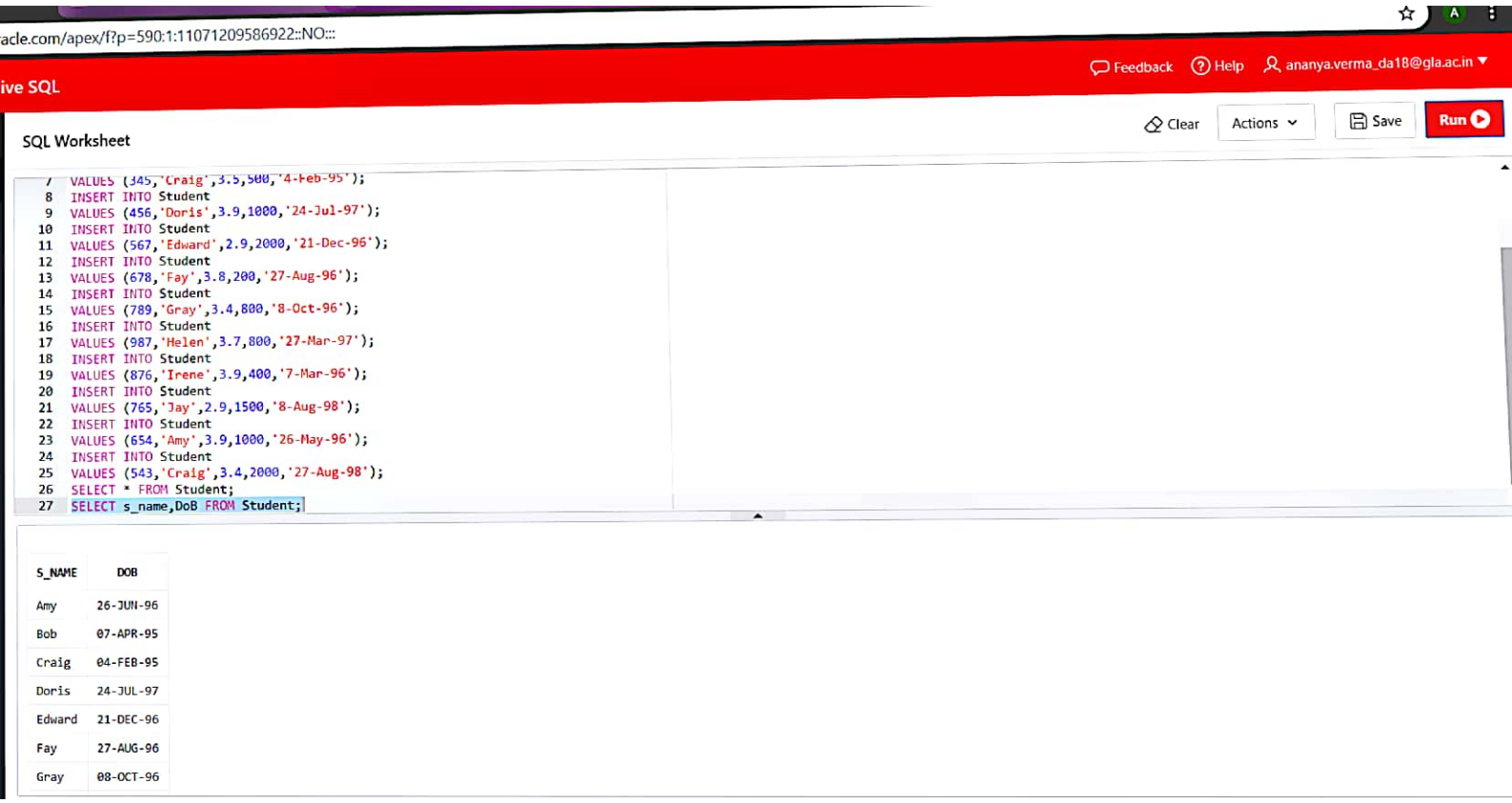
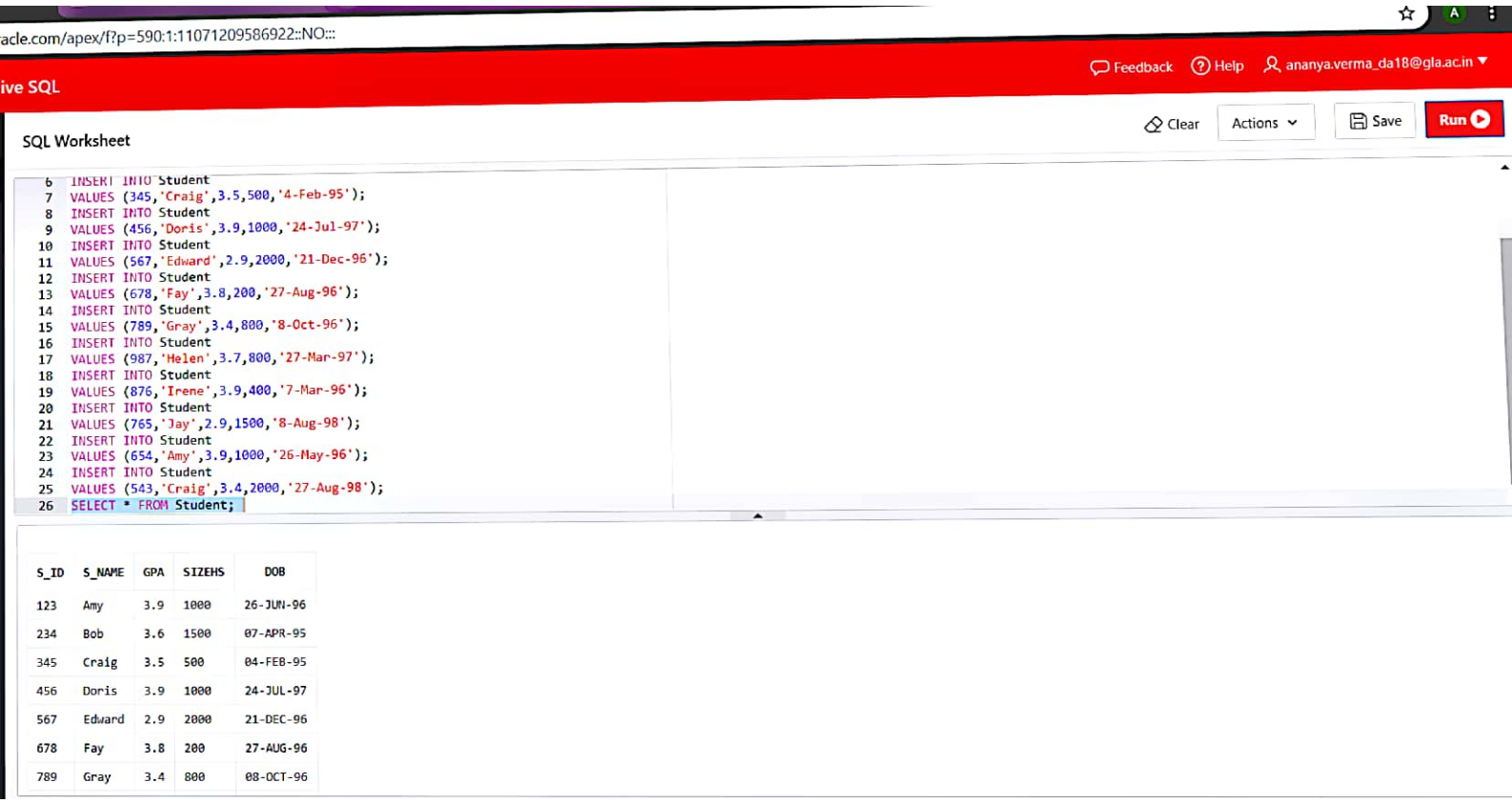
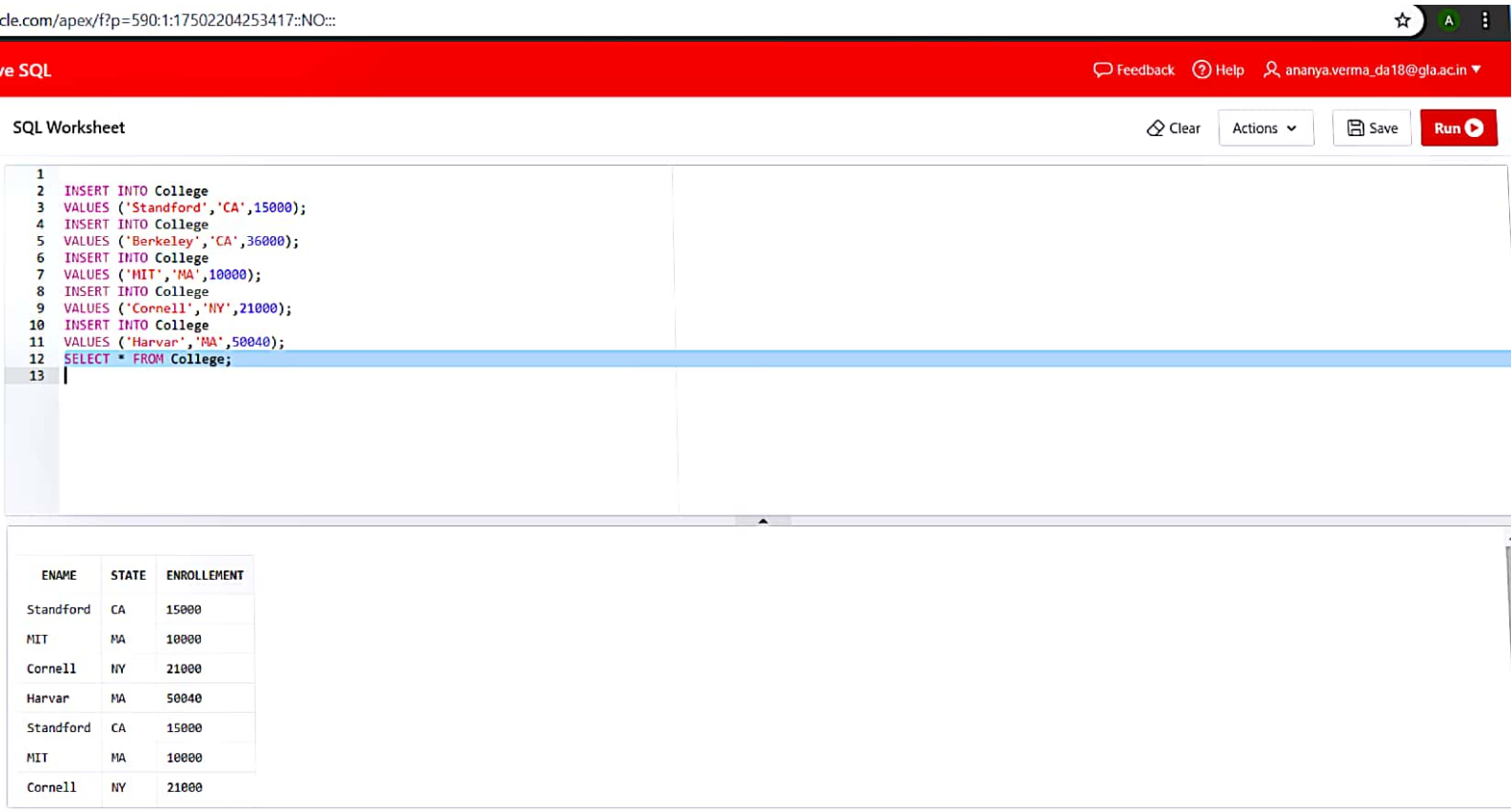
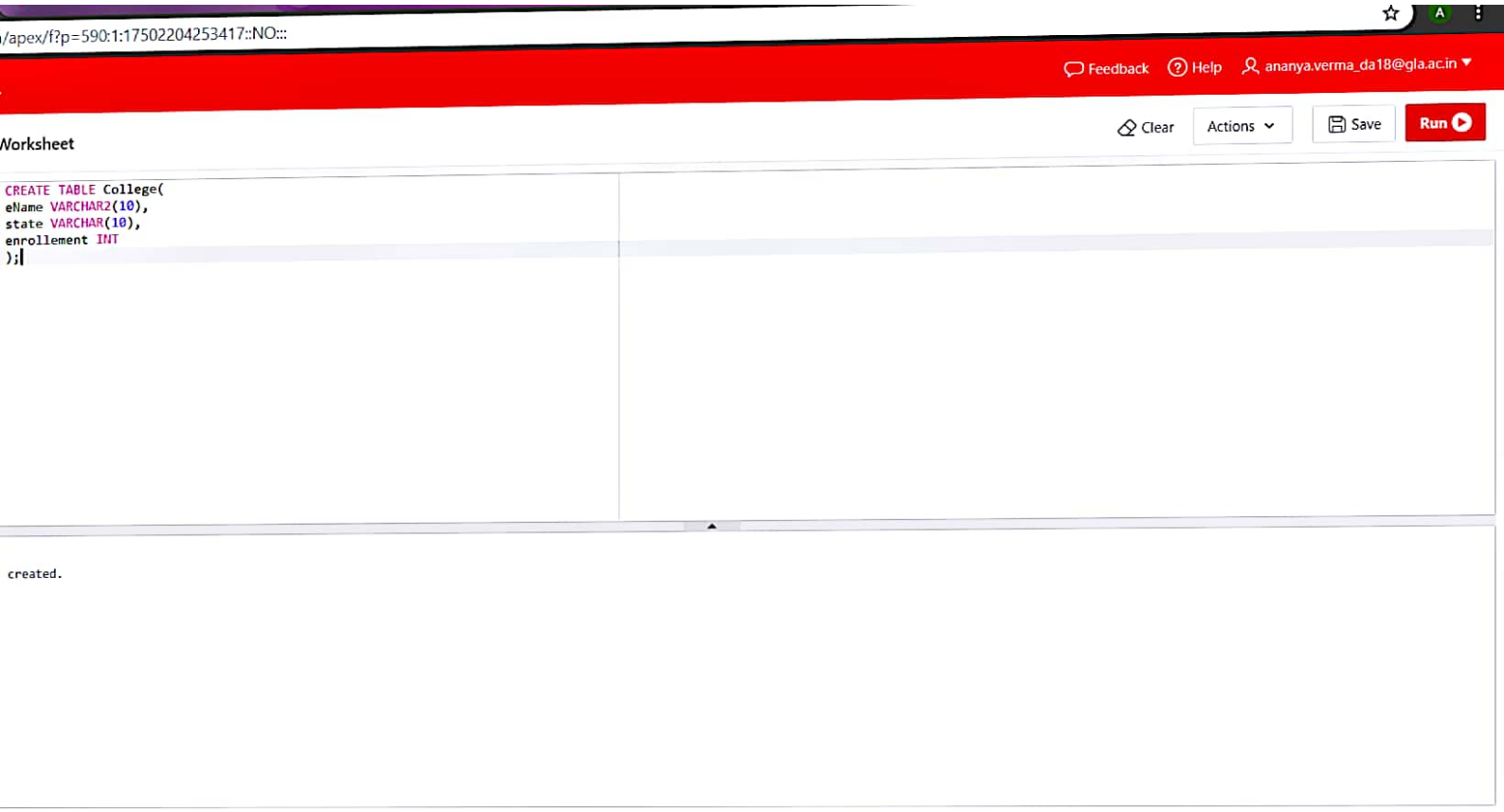




S_ID	S_NAME	GPA	SIZEHS	DOB
123	Amy	3.9	1000	26-JUN-96
234	Bob	3.6	1500	07-APR-95
345	Craig	3.5	500	04-FEB-95
456	Doris	3.9	1000	24-JUL-97
567	Edward	2.9	2000	21-DEC-96
678	Fay	3.8	200	27-AUG-96
789	Gray	3.4	800	08-OCT-96



ENAME	STATE	ENROLLEMENT
Standford	CA	15000
MIT	MA	10000
Cornell	NY	21000
Harvar	MA	50040
Standford	CA	15000
MIT	MA	10000
Cornell	NY	21000

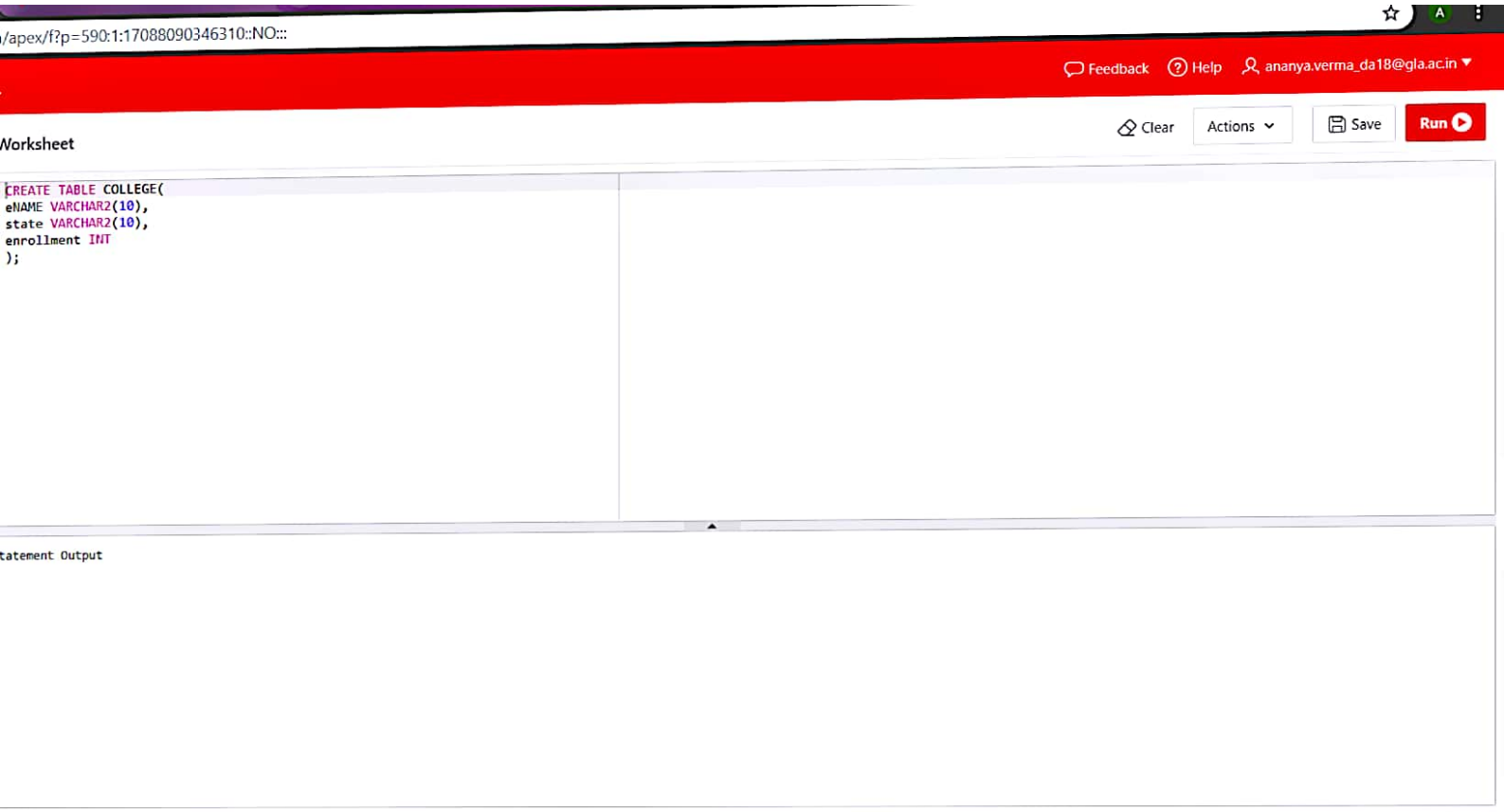


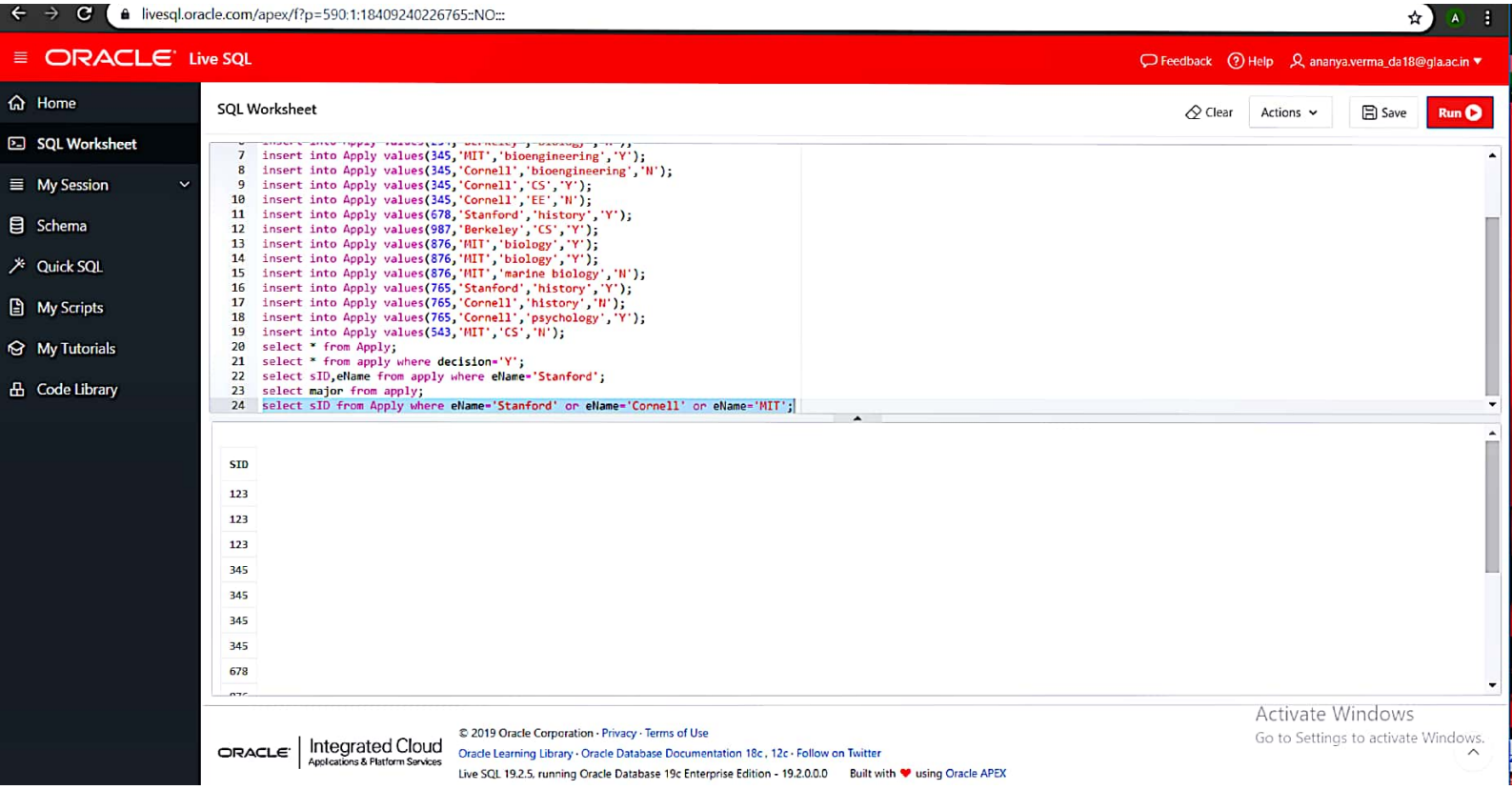
SQL Worksheet

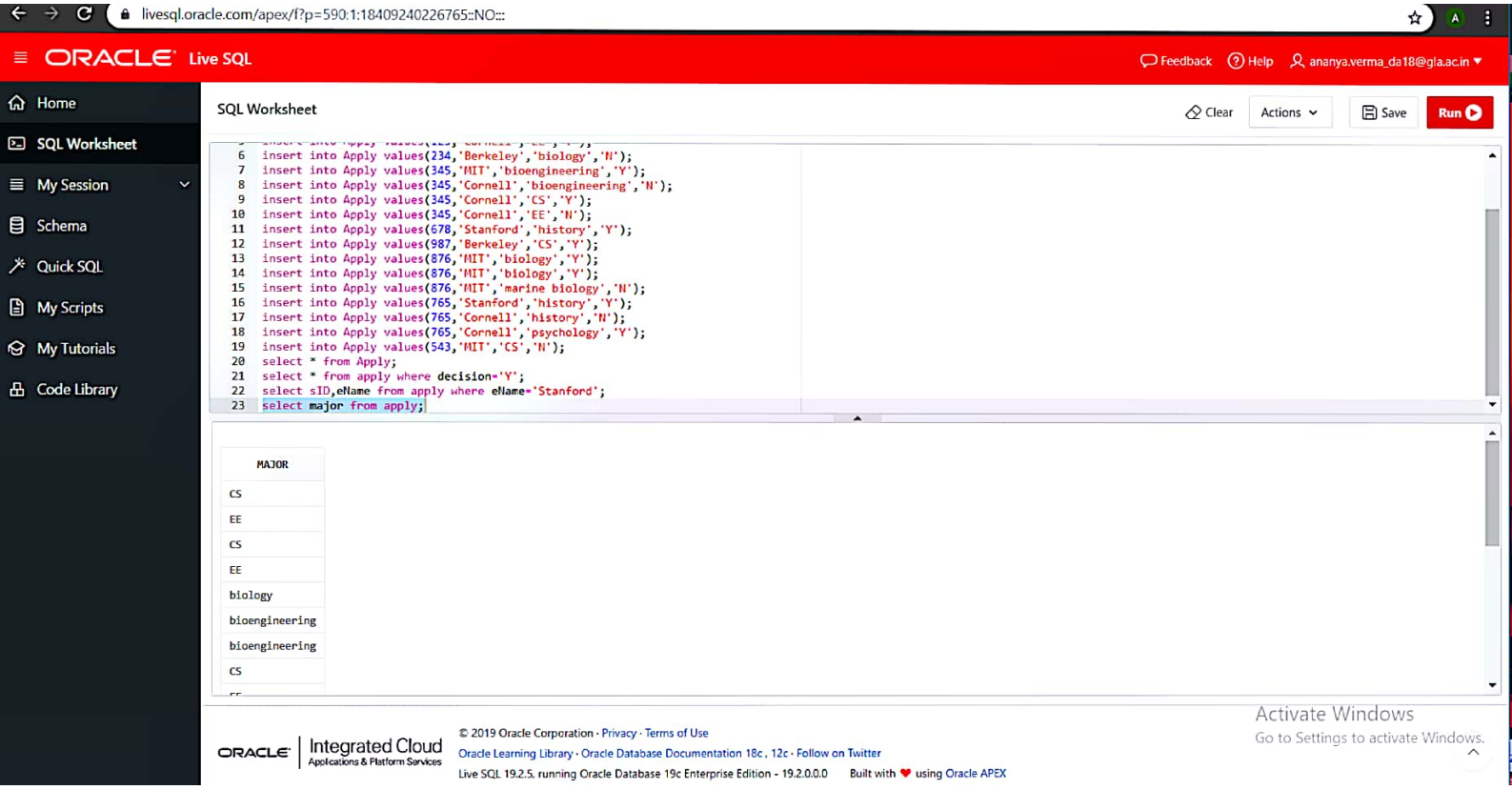
Clear | Actions | Save | Run

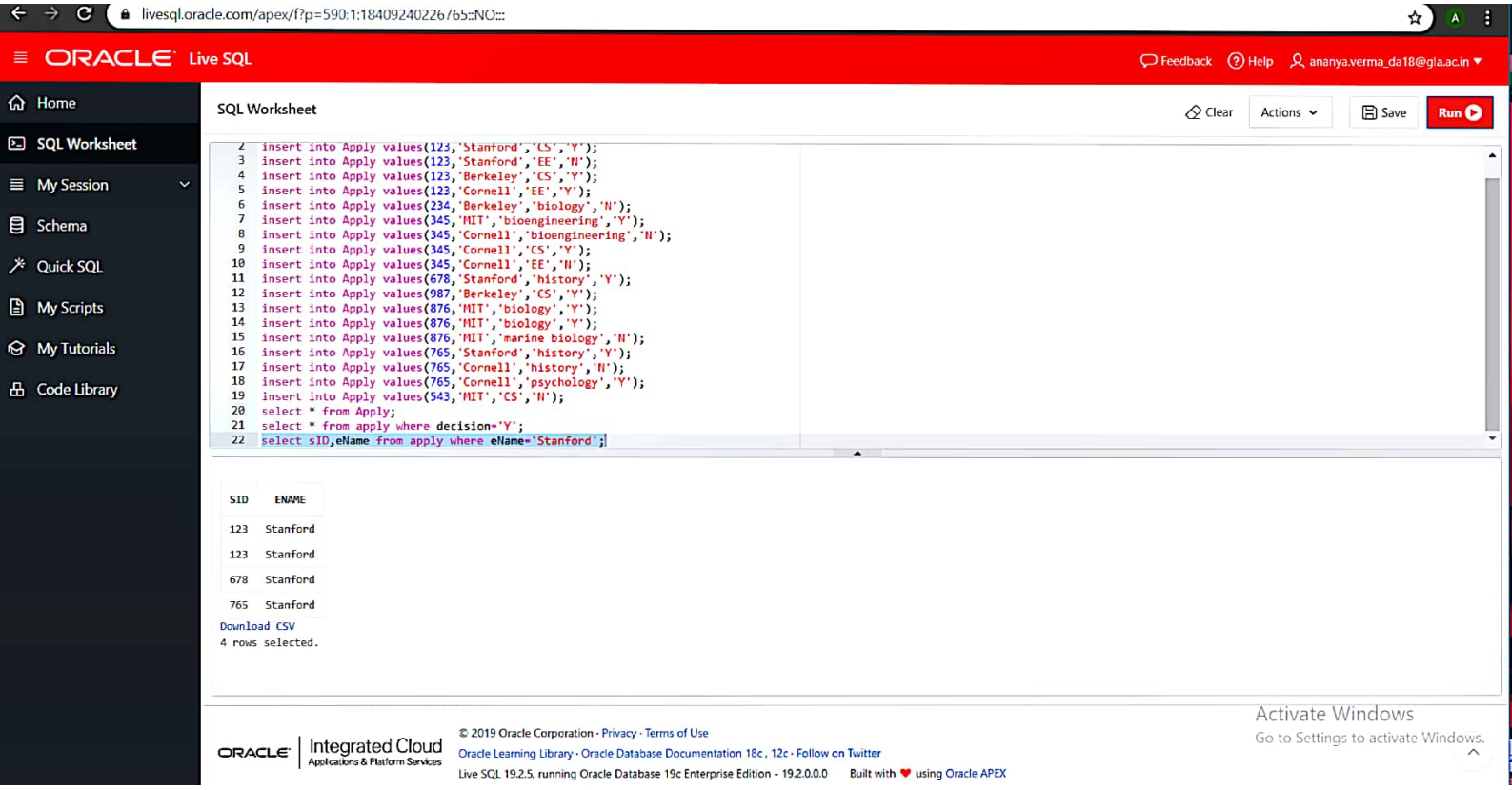
```
1
2  INSERT INTO COLLEGE
3  VALUES ('Stanford','CA',15000);
4  INSERT INTO COLLEGE
5  VALUES ('Berkeley','CA',36000);
6  INSERT INTO COLLEGE
7  VALUES ('MIT','MA',10000);
8  INSERT INTO COLLEGE
9  VALUES ('Cornell','NY',21000);
10 INSERT INTO COLLEGE
11 VALUES ('Harvard','MA',50040);
12 SELECT * FROM COLLEGE;
```

ENAME	STATE	ENROLLMENT
Stanford	CA	15000
Berkeley	CA	36000
MIT	MA	10000
Cornell	NY	21000
Harvard	MA	50040
Stanford	CA	15000
Berkeley	CA	36000









SQL Worksheet

Clear | Actions | Save | Run

```
1  create table Apply(sID int,eName varchar2(10),major varchar2(20),decision char(1));
2  insert into Apply values(123,'Stanford','CS','Y');
3  insert into Apply values(123,'Stanford','EE','N');
4  insert into Apply values(123,'Berkeley','CS','Y');
5  insert into Apply values(123,'Cornell','EE','Y');
6  insert into Apply values(234,'Berkeley','biology','N');
7  insert into Apply values(345,'MIT','bioengineering','Y');
8  insert into Apply values(345,'Cornell','bioengineering','N');
9  insert into Apply values(345,'Cornell','CS','Y');
10 insert into Apply values(345,'Cornell','EE','N');
11 insert into Apply values(678,'Stanford','history','Y');
12 insert into Apply values(987,'Berkeley','CS','Y');
13 insert into Apply values(876,'MIT','biology','Y');
14 insert into Apply values(876,'MIT','biology','Y');
15 insert into Apply values(876,'MIT','marine biology','N');
16 insert into Apply values(765,'Stanford','history','Y');
17 insert into Apply values(765,'Cornell','history','N');
18 insert into Apply values(765,'Cornell','psychology','Y');
19 insert into Apply values(543,'MIT','CS','N');
20 select * from Apply;
21 select * from apply where decision='Y';
```

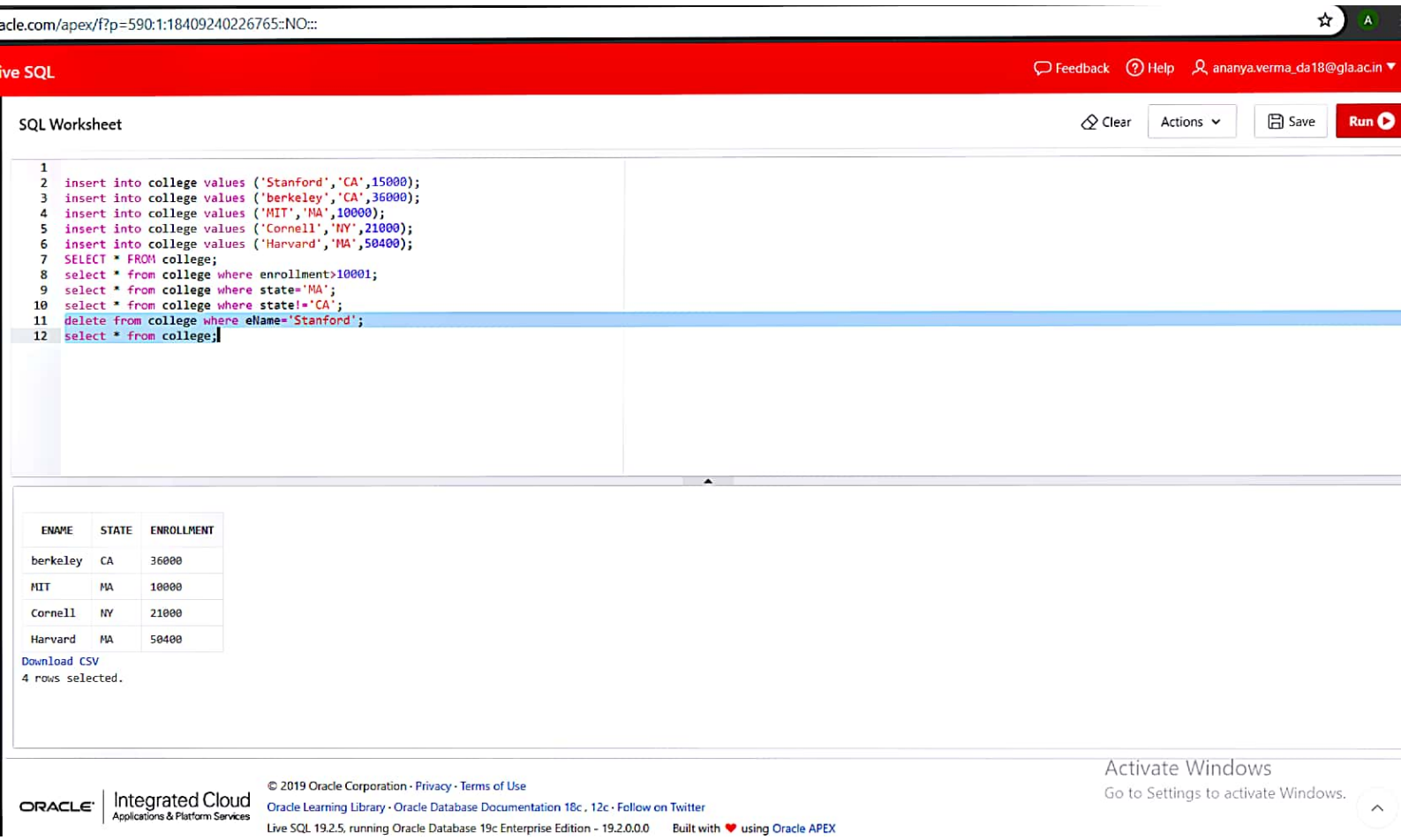
SID	ENAME	MAJOR	DECISION
123	Stanford	CS	Y
123	Berkeley	CS	Y
123	Cornell	EE	Y
345	MIT	bioengineering	Y
345	Cornell	CS	Y
678	Stanford	history	Y
987	Berkeley	CS	Y
876	MIT	biology	Y

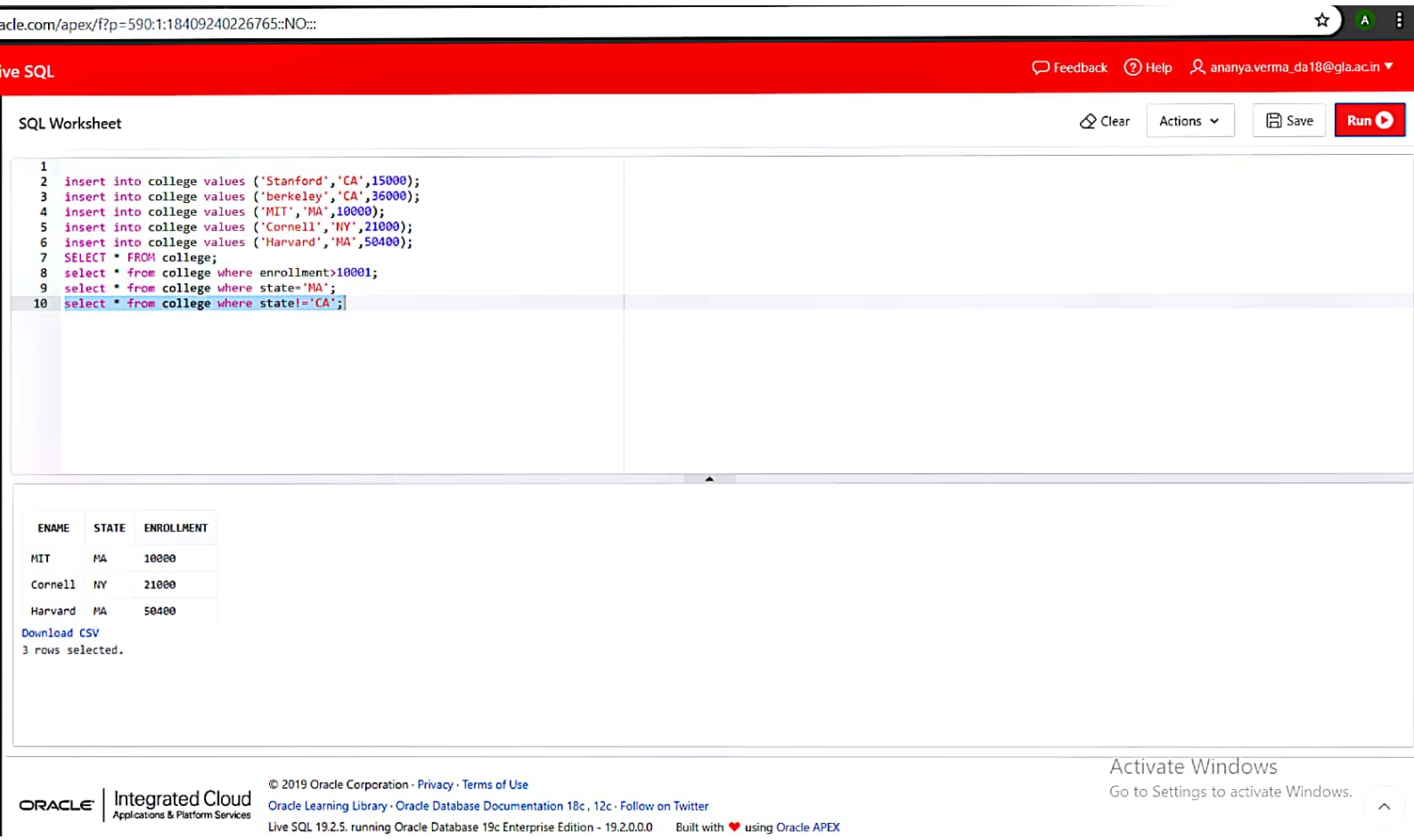
SQL Worksheet

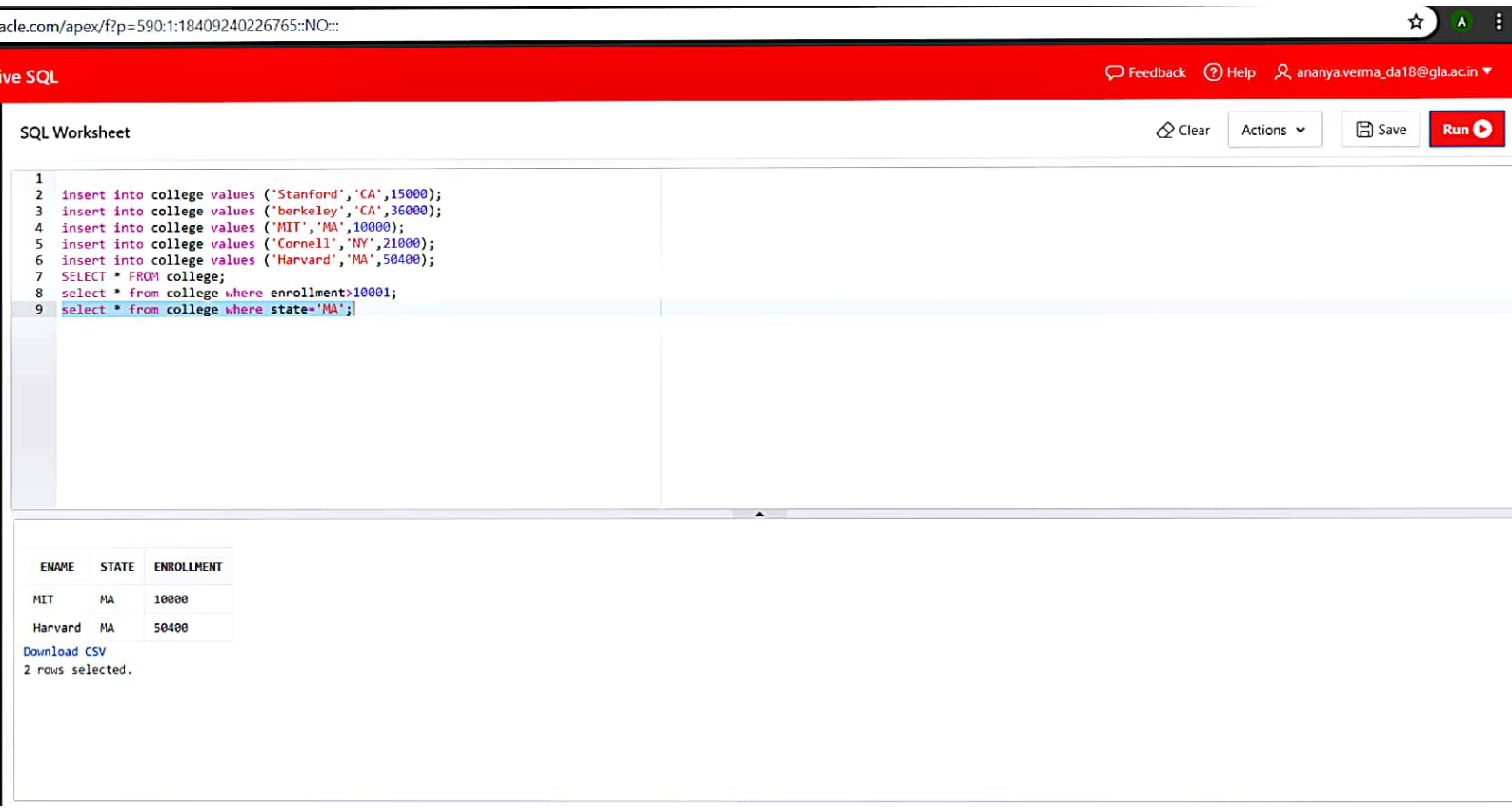
Clear | Actions | Save | Run

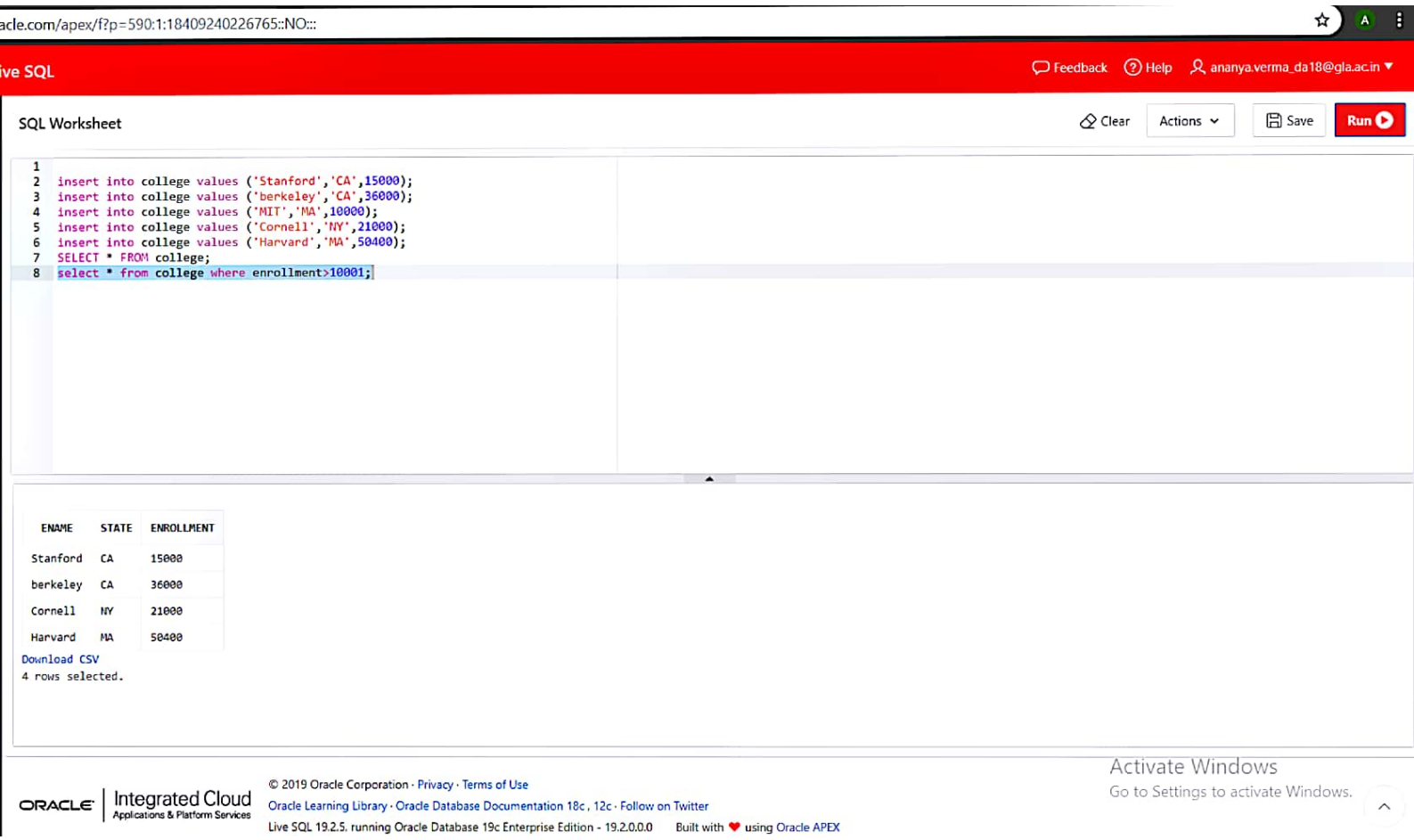
```
1  create table Apply(sID int,eName varchar2(10),major varchar2(20),decision char(1));
2  insert into Apply values(123,'Stanford','CS','Y');
3  insert into Apply values(123,'Stanford','EE','N');
4  insert into Apply values(123,'Berkeley','CS','Y');
5  insert into Apply values(123,'Cornell','EE','Y');
6  insert into Apply values(234,'Berkeley','biology','N');
7  insert into Apply values(345,'MIT','bioengineering','Y');
8  insert into Apply values(345,'Cornell','bioengineering','N');
9  insert into Apply values(345,'Cornell','CS','Y');
10 insert into Apply values(345,'Cornell','EE','N');
11 insert into Apply values(678,'Stanford','history','Y');
12 insert into Apply values(987,'Berkeley','CS','Y');
13 insert into Apply values(876,'MIT','biology','Y');
14 insert into Apply values(876,'MIT','biology','Y');
15 insert into Apply values(876,'MIT','marine biology','N');
16 insert into Apply values(765,'Stanford','history','Y');
17 insert into Apply values(765,'Cornell','history','N');
18 insert into Apply values(765,'Cornell','psychology','Y');
19 insert into Apply values(543,'MIT','CS','N');
20 select * from Apply;
```

SID	ENAME	MAJOR	DECISION
123	Stanford	CS	Y
123	Stanford	EE	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









SQL Worksheet

Clear | Actions | Save | Run

```
22  INSERT INTO Student
23  VALUES (654,'Amy',3.9,1000,'26-May-96');
24  INSERT INTO Student
25  VALUES (543,'Craig',3.4,2000,'27-Aug-98');
26  SELECT * FROM Student;
27  SELECT s_name,DoB FROM Student;
28  SELECT s_name FROM Student WHERE GPA>3.7;
29  SELECT s_name FROM Student WHERE sizeHS>=1000 AND DoB>'31-Dec-96';
30  SELECT s_name FROM Student WHERE GPA BETWEEN 2.9 AND 3.9;
31  SELECT s_name FROM Student WHERE GPA>2.0 AND GPA<3.5;
32  SELECT s_name FROM Student WHERE DoB>'1-Jul-1996';
33  SELECT s_name FROM Student WHERE GPA<3.8 AND sizeHS>1700;
34  SELECT s_name FROM Student WHERE s_name LIKE '____'
35  select * from Student order by GPA;
36  select * from Student order by GPA ASC,DoB DESC;
37  UPDATE Student set GPA=GPA*0.1+GPA;
38  SELECT * FROM Student;
39  UPDATE Student set GPA=GPA+1.5 where GPA>3.5 and sizeHS>1500;
40  select * from Student;
41  delete from Student where GPA>3.2;
42  select * from Student;
```

```
0 row(s) deleted.
```

S_ID	S_NAME	GPA	SIZEHS	DOB
567	Edward	3.2	2000	21-DEC-96
765	Jay	3.2	1500	08-AUG-98

Download CSV

2 rows selected.

SQL Worksheet

Clear | Actions | Save | Run

```
20 INSERT INTO Student
21 VALUES (765,'Jay',2.9,1500,'8-Aug-98');
22 INSERT INTO Student
23 VALUES (654,'Amy',3.9,1000,'26-May-96');
24 INSERT INTO Student
25 VALUES (543,'Craig',3.4,2000,'27-Aug-98');
26 SELECT * FROM Student;
27 SELECT s_name,DoB FROM Student;
28 SELECT s_name FROM Student WHERE GPA>3.7;
29 SELECT s_name FROM Student WHERE sizeHS>=1000 AND DoB>'31-Dec-96';
30 SELECT s_name FROM Student WHERE GPA BETWEEN 2.9 AND 3.9;
31 SELECT s_name FROM Student WHERE GPA>2.0 AND GPA<3.5;
32 SELECT s_name FROM Student WHERE DoB>'1-Jul-1996';
33 SELECT s_name FROM Student WHERE GPA<3.8 AND sizeHS>1700;
34 SELECT s_name FROM Student WHERE s_name LIKE '____'
35 select * from Student order by GPA;
36 select * from Student order by GPA ASC,DoB DESC;
37 UPDATE Student set GPA=GPA*0.1+GPA;
38 SELECT * FROM Student;
39 UPDATE Student set GPA=GPA+1.5 where GPA>3.5 and sizeHS>1500;
40 select * from Student;
```

```
1 row(s) updated.
```

S_ID	S_NAME	GPA	SIZEHS	DOB
123	Amy	4.7	1000	26-JUN-96
234	Bob	4.4	1500	07-APR-95
345	Craig	4.3	500	04-FEB-95
456	Doris	4.7	1000	24-JUL-97
567	Edward	3.5	2000	21-DEC-96
678	Fay	4.6	200	27-AUG-96

SQL Worksheet

Clear | Actions | Save | Run

```
18  INSERT INTO Student
19  VALUES (876,'Irene',3.9,400,'7-Mar-96');
20  INSERT INTO Student
21  VALUES (765,'Jay',2.9,1500,'8-Aug-98');
22  INSERT INTO Student
23  VALUES (654,'Amy',3.9,1000,'26-May-96');
24  INSERT INTO Student
25  VALUES (543,'Craig',3.4,2000,'27-Aug-98');
26  SELECT * FROM Student;
27  SELECT s_name,DoB FROM Student;
28  SELECT s_name FROM Student WHERE GPA>3.7;
29  SELECT s_name FROM Student WHERE sizeHS>=1000 AND DoB>'31-Dec-96';
30  SELECT s_name FROM Student WHERE GPA BETWEEN 2.9 AND 3.9;
31  SELECT s_name FROM Student WHERE GPA>2.0 AND GPA<3.5;
32  SELECT s_name FROM Student WHERE DoB>'1-Jul-1996';
33  SELECT s_name FROM Student WHERE GPA<3.8 AND sizeHS>1700;
34  SELECT s_name FROM Student WHERE s_name LIKE '____'
35  select * from Student order by GPA;
36  select * from Student order by GPA ASC,DoB DESC;
37  UPDATE Student set GPA=GPA*0.1+GPA;
38  SELECT * FROM Student;
```

```
12 row(s) updated.
```

S_ID	S_NAME	GPA	SIZEHS	DOB
123	Amy	4.7	1000	26-JUN-96
234	Bob	4.4	1500	07-APR-95
345	Craig	4.3	500	04-FEB-95
456	Doris	4.7	1000	24-JUL-97
567	Edward	3.5	2000	21-DEC-96
678	Fay	4.6	200	27-AUG-96

SQL Worksheet

Clear | Actions | Save | Run

```
17  VALUES (987,'Helen',3.7,800,'27-Mar-97');
18  INSERT INTO Student
19  VALUES (876,'Irene',3.9,400,'7-Mar-96');
20  INSERT INTO Student
21  VALUES (765,'Jay',2.9,1500,'8-Aug-98');
22  INSERT INTO Student
23  VALUES (654,'Amy',3.9,1000,'26-May-96');
24  INSERT INTO Student
25  VALUES (543,'Craig',3.4,2000,'27-Aug-98');
26  SELECT * FROM Student;
27  SELECT s_name,DoB FROM Student;
28  SELECT s_name FROM Student WHERE GPA>3.7;
29  SELECT s_name FROM Student WHERE sizeHS>=1000 AND DoB>'31-Dec-96';
30  SELECT s_name FROM Student WHERE GPA BETWEEN 2.9 AND 3.9;
31  SELECT s_name FROM Student WHERE GPA>2.0 AND GPA<3.5;
32  SELECT s_name FROM Student WHERE DoB>'1-Jul-1996';
33  SELECT s_name FROM Student WHERE GPA<3.8 AND sizeHS>1700;
34  SELECT s_name FROM Student WHERE s_name LIKE '____'
35  select * from Student order by GPA;
```

SQL Worksheet

Clear | Actions | Save | Run

```
16  INSERT INTO Student
17  VALUES (987,'Helen',3.7,800,'27-Mar-97');
18  INSERT INTO Student
19  VALUES (876,'Irene',3.9,400,'7-Mar-96');
20  INSERT INTO Student
21  VALUES (765,'Jay',2.9,1500,'8-Aug-98');
22  INSERT INTO Student
23  VALUES (654,'Amy',3.9,1000,'26-May-96');
24  INSERT INTO Student
25  VALUES (543,'Craig',3.4,2000,'27-Aug-98');
26  SELECT * FROM Student;
27  SELECT s_name,DoB FROM Student;
28  SELECT s_name FROM Student WHERE GPA>3.7;
29  SELECT s_name FROM Student WHERE sizeHS>=1000 AND DoB>'31-Dec-96';
30  SELECT s_name FROM Student WHERE GPA BETWEEN 2.9 AND 3.9;
31  SELECT s_name FROM Student WHERE GPA>2.0 AND GPA<3.5;
32  SELECT s_name FROM Student WHERE DoB>'1-Jul-1996';
33  SELECT s_name FROM Student WHERE GPA<3.8 AND sizeHS>1700;
34  SELECT s_name FROM Student WHERE s_name LIKE '____'
35  select * from Student order by GPA;
36
```

S_ID	S_NAME	GPA	SIZEHS	DOB
765	Jay	2.9	1500	08-AUG-98
567	Edward	2.9	2000	21-DEC-96
543	Craig	3.4	2000	27-AUG-98
789	Gray	3.4	800	08-OCT-96
345	Craig	3.5	500	04-FEB-95
234	Bob	3.6	1500	07-APR-95
987	Helen	3.7	800	27-MAR-97
678	Fay	3.8	200	27-AUG-96

SQL Worksheet

Clear | Actions | Save | Run

```
14  INSERT INTO Student
15  VALUES (789,'Gray',3.4,800,'8-Oct-96');
16  INSERT INTO Student
17  VALUES (987,'Helen',3.7,800,'27-Mar-97');
18  INSERT INTO Student
19  VALUES (876,'Irene',3.9,400,'7-Mar-96');
20  INSERT INTO Student
21  VALUES (765,'Jay',2.9,1500,'8-Aug-98');
22  INSERT INTO Student
23  VALUES (654,'Amy',3.9,1000,'26-May-96');
24  INSERT INTO Student
25  VALUES (543,'Craig',3.4,2000,'27-Aug-98');
26  SELECT * FROM Student;
27  SELECT s_name,DoB FROM Student;
28  SELECT s_name FROM Student WHERE GPA>3.7;
29  SELECT s_name FROM Student WHERE sizeHS>=1000 AND DoB>'31-Dec-96';
30  SELECT s_name FROM Student WHERE GPA BETWEEN 2.9 AND 3.9;
31  SELECT s_name FROM Student WHERE GPA>2.0 AND GPA<3.5;
32  SELECT s_name FROM Student WHERE DoB>'1-Jul-1996';
33  SELECT s_name FROM Student WHERE GPA<3.8 AND sizeHS>1700;
34  SELECT s_name FROM Student WHERE s_name LIKE '___';
```

S_NAME
Amy
Bob
Fay
Jay
Amy

Download CSV

5 rows selected.

SQL Worksheet

Clear | Actions | Save | Run

```
15  VALUES (789,'Gray',3.4,800,'8-Oct-96');
16  INSERT INTO Student
17  VALUES (987,'Helen',3.7,800,'27-Mar-97');
18  INSERT INTO Student
19  VALUES (876,'Irene',3.9,400,'7-Mar-96');
20  INSERT INTO Student
21  VALUES (765,'Jay',2.9,1500,'8-Aug-98');
22  INSERT INTO Student
23  VALUES (654,'Amy',3.9,1000,'26-May-96');
24  INSERT INTO Student
25  VALUES (543,'Craig',3.4,2000,'27-Aug-98');
26  SELECT * FROM Student;
27  SELECT s_name,DoB FROM Student;
28  SELECT s_name FROM Student WHERE GPA>3.7;
29  SELECT s_name FROM Student WHERE sizeHS>=1000 AND DoB>'31-Dec-96';
30  SELECT s_name FROM Student WHERE GPA BETWEEN 2.9 AND 3.9;
31  SELECT s_name FROM Student WHERE GPA>2.0 AND GPA<3.5;
32  SELECT s_name FROM Student WHERE DoB>'1-Jul-1996';
33  SELECT s_name FROM Student WHERE GPA<3.8 AND sizeHS>1700;
34  SELECT s_name FROM Student WHERE s_name LIKE '___';
35  SELECT s_name FROM Student WHERE s_name LIKE '__e_e%';
```

S_NAME
Irene

Download CSV

SQL Worksheet

Clear | Actions | Save | Run

```
13  VALUES (678,'Fay',3.8,200,'27-Aug-96');
14  INSERT INTO Student
15  VALUES (789,'Gray',3.4,800,'8-Oct-96');
16  INSERT INTO Student
17  VALUES (987,'Helen',3.7,800,'27-Mar-97');
18  INSERT INTO Student
19  VALUES (876,'Irene',3.9,400,'7-Mar-96');
20  INSERT INTO Student
21  VALUES (765,'Jay',2.9,1500,'8-Aug-98');
22  INSERT INTO Student
23  VALUES (654,'Amy',3.9,1000,'26-May-96');
24  INSERT INTO Student
25  VALUES (543,'Craig',3.4,2000,'27-Aug-98');
26  SELECT * FROM Student;
27  SELECT s_name,DoB FROM Student;
28  SELECT s_name FROM Student WHERE GPA>3.7;
29  SELECT s_name FROM Student WHERE sizeHS>=1000 AND DoB>'31-Dec-96';
30  SELECT s_name FROM Student WHERE GPA BETWEEN 2.9 AND 3.9;
31  SELECT s_name FROM Student WHERE GPA>2.0 AND GPA<3.5;
32  SELECT s_name FROM Student WHERE DoB>'1-Jul-1996';
33  SELECT s_name FROM Student WHERE GPA<3.8 AND sizeHS>1700;
```

S_NAME
Edward
Craig

Download CSV

2 rows selected.

SQL Worksheet

Clear | Actions | Save | Run

```
12  INSERT INTO Student
13  VALUES (678,'Fay',3.8,200,'27-Aug-96');
14  INSERT INTO Student
15  VALUES (789,'Gray',3.4,800,'8-Oct-96');
16  INSERT INTO Student
17  VALUES (987,'Helen',3.7,800,'27-Mar-97');
18  INSERT INTO Student
19  VALUES (876,'Irene',3.9,400,'7-Mar-96');
20  INSERT INTO Student
21  VALUES (765,'Jay',2.9,1500,'8-Aug-98');
22  INSERT INTO Student
23  VALUES (654,'Amy',3.9,1000,'26-May-96');
24  INSERT INTO Student
25  VALUES (543,'Craig',3.4,2000,'27-Aug-98');
26  SELECT * FROM Student;
27  SELECT s_name,DoB FROM Student;
28  SELECT s_name FROM Student WHERE GPA>3.7;
29  SELECT s_name FROM Student WHERE sizeHS>=1000 AND DoB>'31-Dec-96';
30  SELECT s_name FROM Student WHERE GPA BETWEEN 2.9 AND 3.9;
31  SELECT s_name FROM Student WHERE GPA>2.0 AND GPA<3.5;
32  SELECT s_name FROM Student WHERE DoB>'1-Jul-1996';
```

S_NAME
Doris
Edward
Fay
Gray
Helen
Jay
Craig

Download CSV