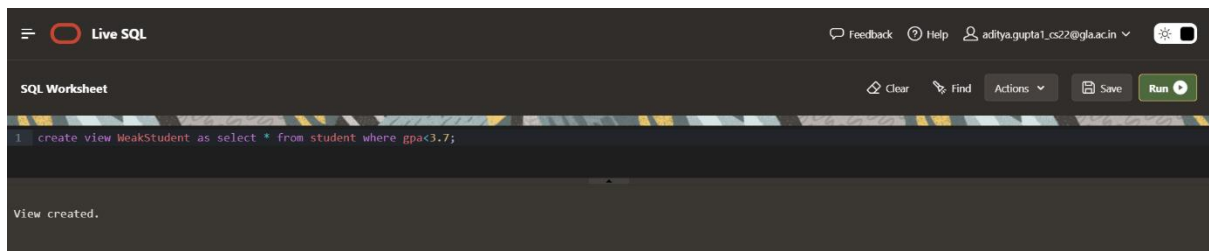


DBMS ASSIGNMENT-7

Q1. Create view WeakStudent on Student whose GPA is less than 3.7.

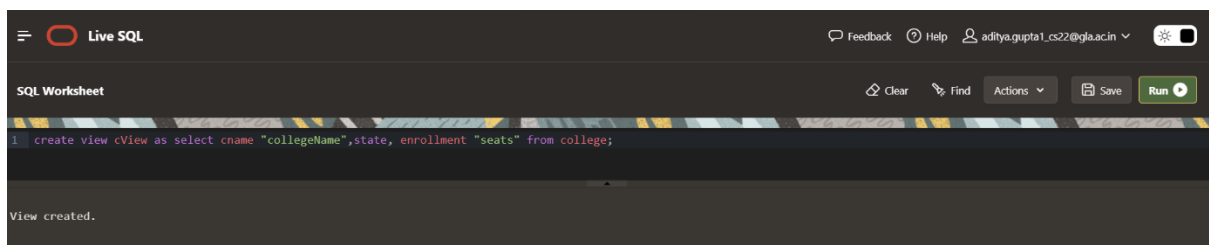


The screenshot shows the Live SQL interface. At the top, there is a navigation bar with a hamburger menu, the 'Live SQL' logo, and links for Feedback, Help, and a user profile (aditya.gupta1_cs22@glia.ac.in). Below this is a toolbar with 'Clear', 'Find', 'Actions', 'Save', and a 'Run' button. The main area is titled 'SQL Worksheet' and contains the following SQL code:

```
1 create view WeakStudent as select * from student where gpa<3.7;
```

 Below the code, the output area displays the message 'View created.'

Q2. Create a view cView on college (containing all the columns) and rename the column cName as collegeName and enrollment as seats respectively.



The screenshot shows the Live SQL interface. At the top, there is a navigation bar with a hamburger menu, the 'Live SQL' logo, and links for Feedback, Help, and a user profile (aditya.gupta1_cs22@glia.ac.in). Below this is a toolbar with 'Clear', 'Find', 'Actions', 'Save', and a 'Run' button. The main area is titled 'SQL Worksheet' and contains the following SQL code:

```
1 create view cView as select cname "collegeName",state,enrollment "seats" from college;
```

 Below the code, the output area displays the message 'View created.'

Q3. Create view CSaccept having IDs and college of student who applied to CS major and their application is accepted.

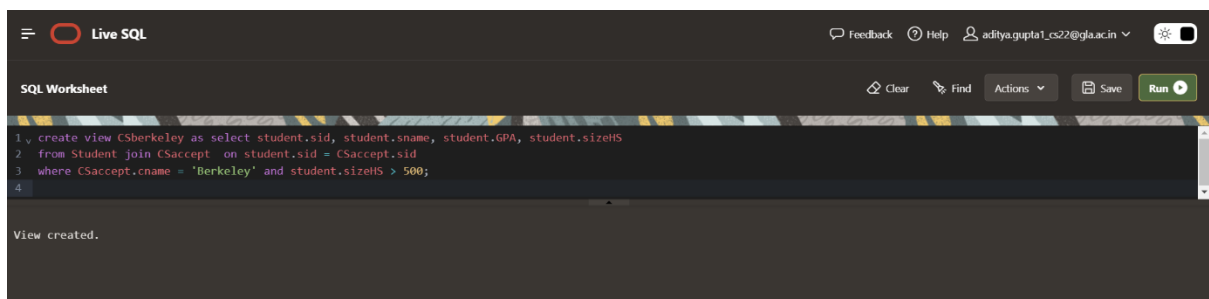


The screenshot shows the Live SQL interface with the following SQL code in the worksheet:

```
1 create view CSaccept as select sid , cname from apply where decision='Y' and major='CS';
```

Below the code, the status "View created." is displayed.

Q4. Create view CSberkeley having IDs, name, GPA, sizeHS of those student who are accepted in CS at Berkeley and comes from High School that is greater than 500.

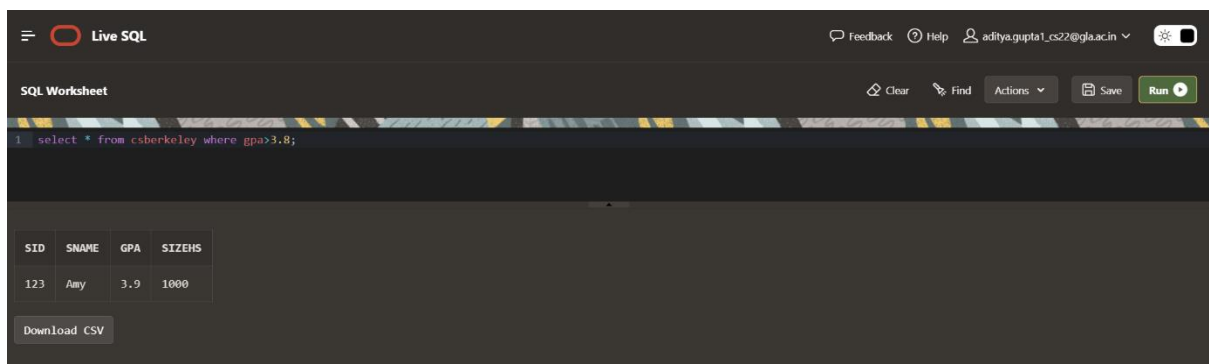


The screenshot shows the Live SQL interface with the following SQL code in the worksheet:

```
1 create view CSberkeley as select student.sid, student.sname, student.GPA, student.sizeHS
2 from Student join CSaccept on student.sid = CSaccept.sid
3 where CSaccept.cname = 'Berkeley' and student.sizeHS > 500;
```

Below the code, the status "View created." is displayed.

Q5. Display information about student in CSberk having GPA greater than 3.8.



The screenshot shows the Live SQL interface with the following SQL code in the worksheet:

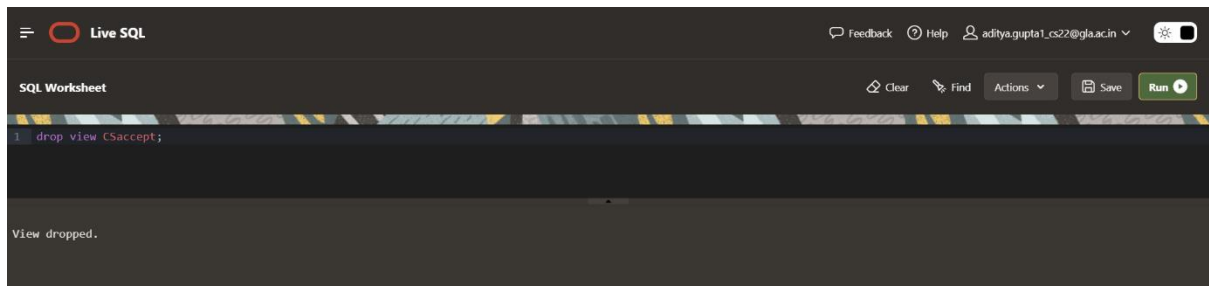
```
1 select * from csberkeley where gpa>3.8;
```

Below the code, the query results are displayed in a table:

SID	SNAME	GPA	SIZEHS
123	Amy	3.9	1000

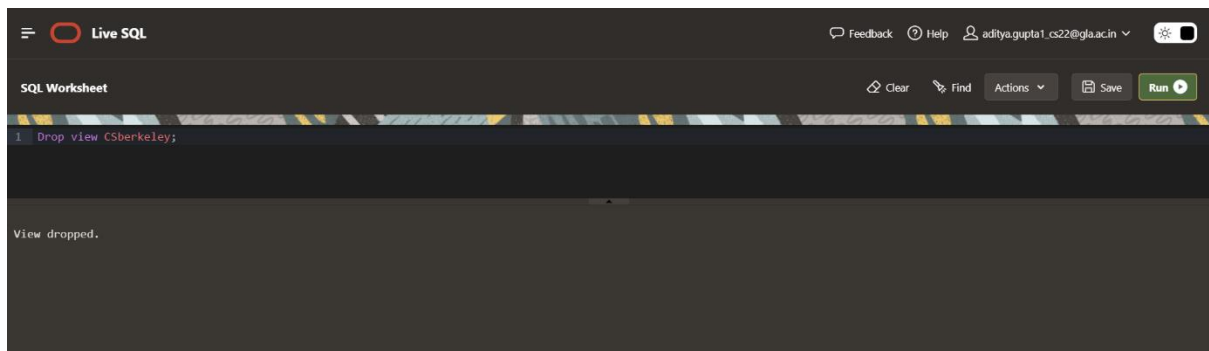
Below the table, there is a "Download CSV" button.

Q6. Drop view CSaccept.



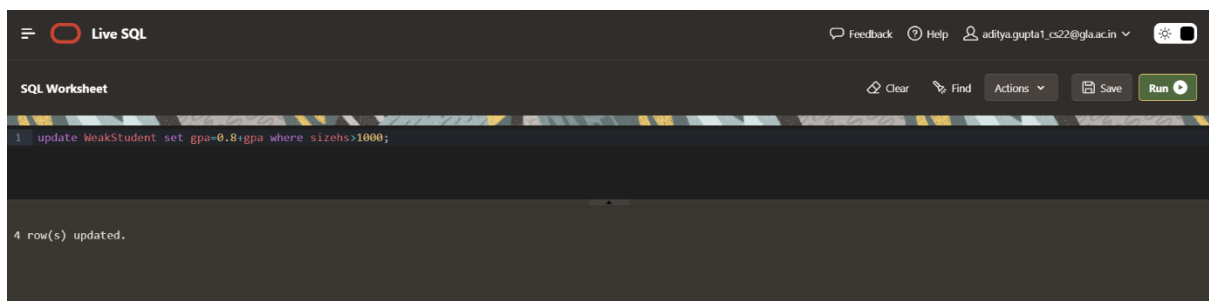
The screenshot shows the Live SQL interface. The top bar includes a hamburger menu, the 'Live SQL' logo, and user information 'aditya.gupta1_cs22@glia.ac.in'. Below the top bar, the 'SQL Worksheet' section contains a toolbar with 'Clear', 'Find', 'Actions', 'Save', and 'Run' buttons. The SQL editor shows the command `drop view CSaccept;`. The output area below the editor displays the message 'View dropped.'

Q7. Display all student in CSberkeley.



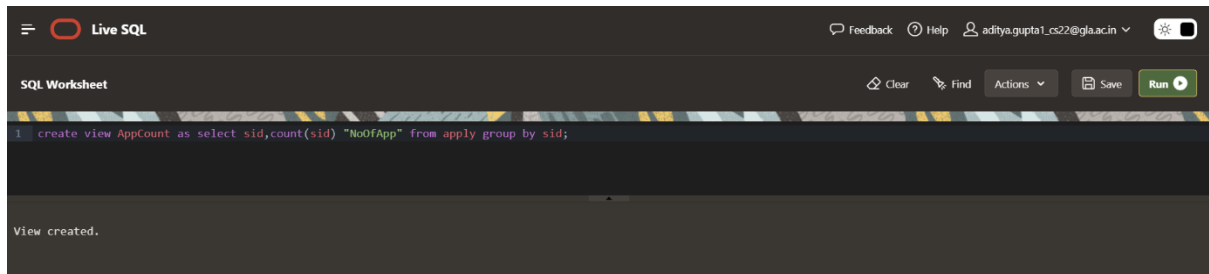
The screenshot shows the Live SQL interface. The top bar includes a hamburger menu, the 'Live SQL' logo, and user information 'aditya.gupta1_cs22@glia.ac.in'. Below the top bar, the 'SQL Worksheet' section contains a toolbar with 'Clear', 'Find', 'Actions', 'Save', and 'Run' buttons. The SQL editor shows the command `Drop view CSberkeley;`. The output area below the editor displays the message 'View dropped.'

Q8. Update GPA by 0.8 of students in view WeakStudent who having high school size greater than 1000.



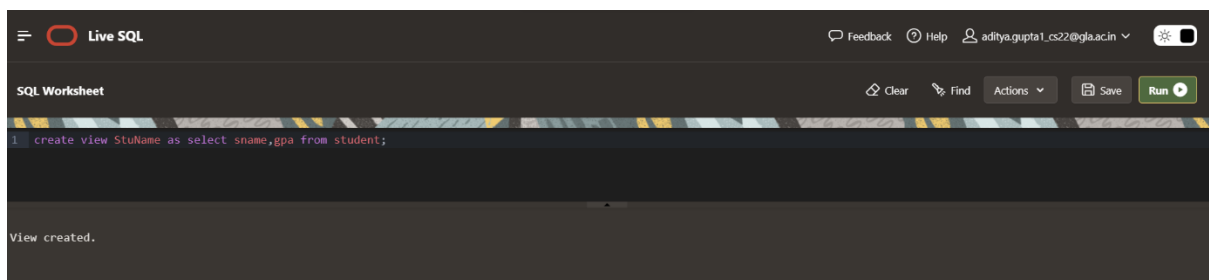
The screenshot shows the Live SQL interface. The top bar includes a hamburger menu, the 'Live SQL' logo, and user information 'aditya.gupta1_cs22@glia.ac.in'. Below the top bar, the 'SQL Worksheet' section contains a toolbar with 'Clear', 'Find', 'Actions', 'Save', and 'Run' buttons. The SQL editor shows the command `update WeakStudent set gpa=0.8*gpa where sizehs>1000;`. The output area below the editor displays the message '4 row(s) updated.'

Q9. Create a view AppCount which contains sID of Student and number of applications they filed. Name the column sID and NoOfApp.



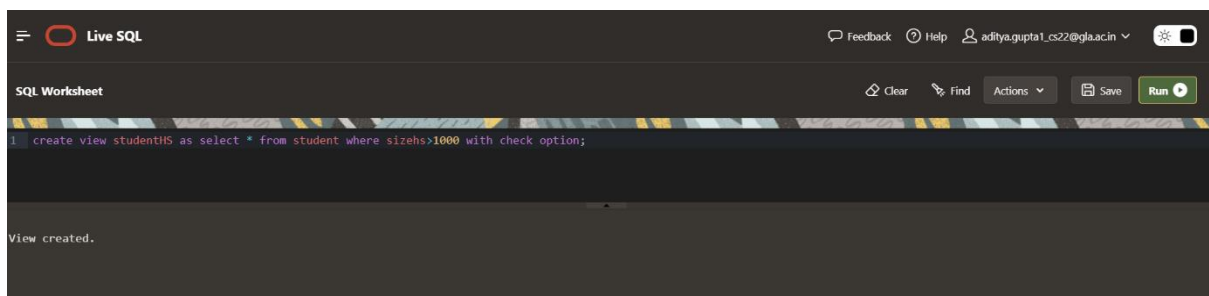
The screenshot shows the Live SQL interface. The SQL Worksheet contains the following query: `1 create view AppCount as select sid,count(sid) "NoOfApp" from apply group by sid;`. Below the query, the status "View created." is displayed. The interface includes a top bar with "Live SQL", "Feedback", "Help", and a user profile. The SQL Worksheet has buttons for "Clear", "Find", "Actions", "Save", and "Run".

Q11. Create a view StuName contain student name and their GPA. Is this View Updatable? If not specify why.



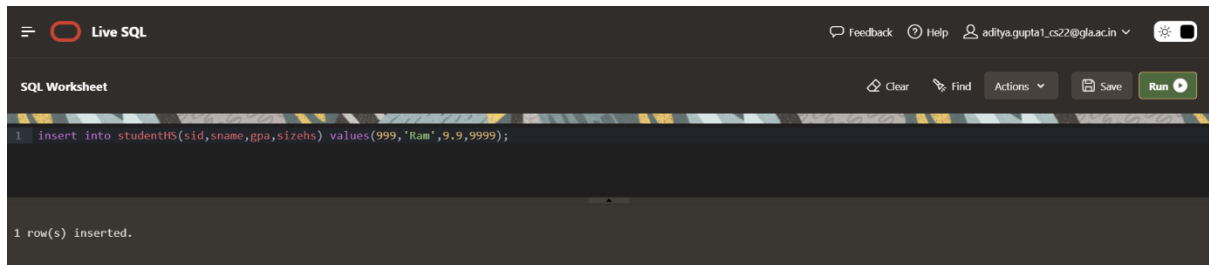
The screenshot shows the Live SQL interface. The SQL Worksheet contains the following query: `1 create view StuName as select sname,gpa from student;`. Below the query, the status "View created." is displayed. The interface includes a top bar with "Live SQL", "Feedback", "Help", and a user profile. The SQL Worksheet has buttons for "Clear", "Find", "Actions", "Save", and "Run".

Q12. Create view studentHS having details of student comes from High School of size more than 1000 using with check option.



The screenshot shows the Live SQL interface. The SQL Worksheet contains the following query: `1 create view studentHS as select * from student where sizehs>1000 with check option;`. Below the query, the status "View created." is displayed. The interface includes a top bar with "Live SQL", "Feedback", "Help", and a user profile. The SQL Worksheet has buttons for "Clear", "Find", "Actions", "Save", and "Run".

Q13. Try insert detail of a new student Ram with sID 999 having GPA 9.9 and sizeHS 9999 to newly created view studentHS.



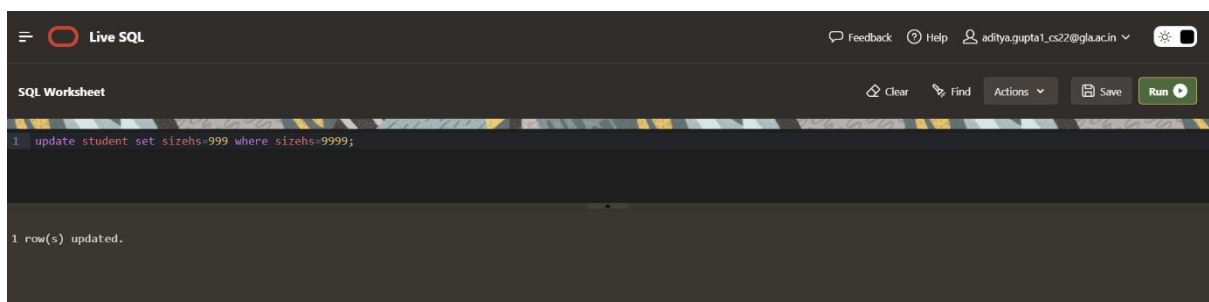
The screenshot shows the Live SQL interface. The SQL Worksheet contains the following statement:

```
1 insert into studentHS(sid,sname,gpa,sizehs) values(999,'Ram',9.9,9999);
```

The execution result shows:

```
1 row(s) inserted.
```

Q14. Clerk realize he wrongly type sizeHS of Ramu as 9999 it is actually 999. Can you help him to update the value of sizeHS of Ramu.



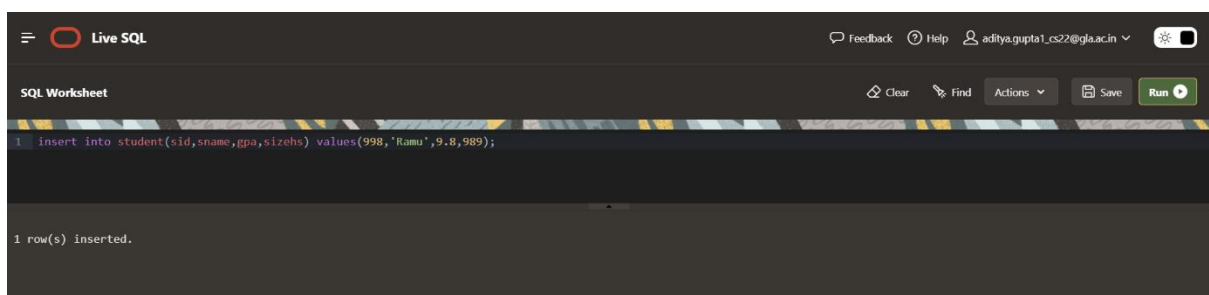
The screenshot shows the Live SQL interface. The SQL Worksheet contains the following statement:

```
1 update student set sizehs=999 where sizehs=9999;
```

The execution result shows:

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

Q15. Now, another boy registered to our system named Ramu with sID 998 having GPA 9.8 and sizeHS 989.



The screenshot shows the Live SQL interface. The SQL Worksheet contains the following statement:

```
1 insert into student(sid,sname,gpa,sizehs) values(998,'Ramu',9.8,989);
```

The execution result shows:

```
1 row(s) inserted.
```

NAME → ADITYA GUPTA

SECTION → B

UNIV ROLLNO. → 2215000094

CLASS ROLLNO. → 47