DBMS Practical Assignment 3

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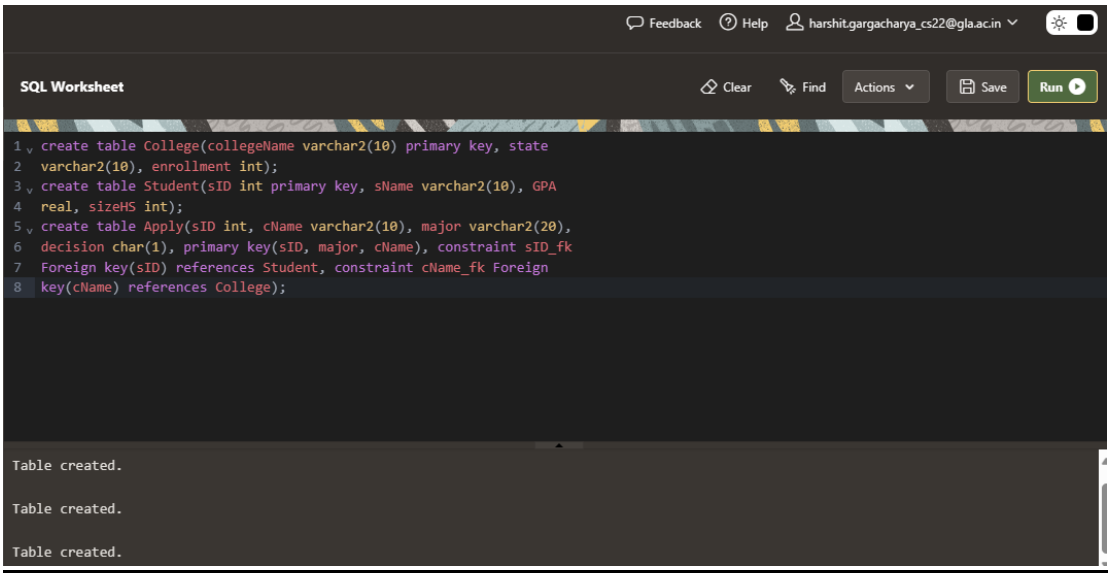
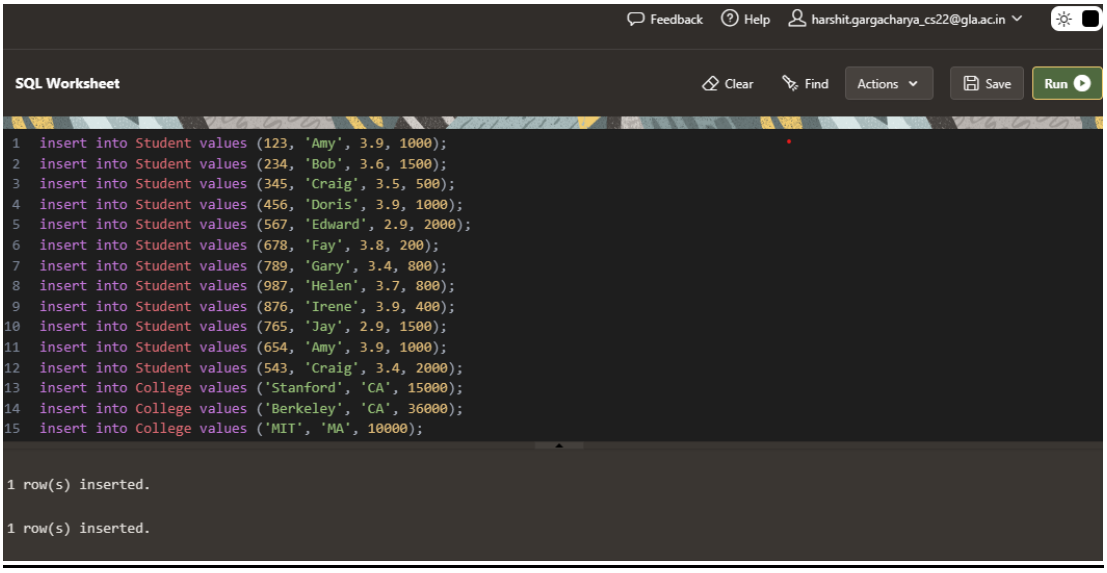
Class Roll No. : 24

Course : B.Tech. (CSE)

Creating the tables :-

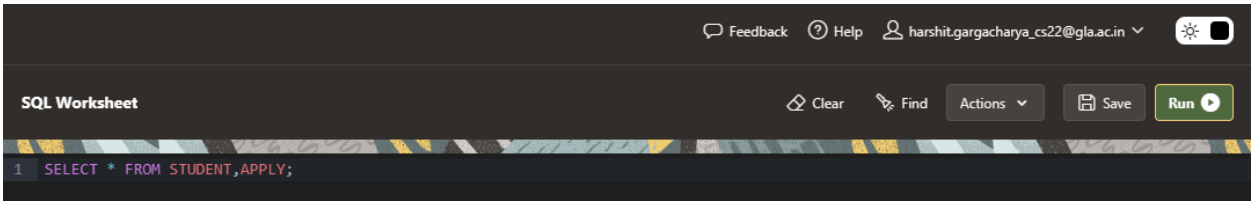


Inserting values in tables :-



Queries

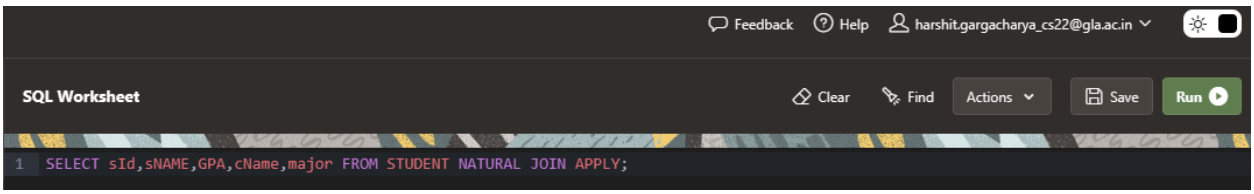
1. Produce a combine table in which each student is combine with every other application.



SID	SNAME	GPA	SIZEHS	SID	CNAME	MAJOR	DECISION
123	Amy	3.9	1000	123	Stanford	CS	Y
123	Amy	3.9	1000	123	Stanford	EE	N
123	Amy	3.9	1000	123	Berkeley	CS	Y
123	Amy	3.9	1000	123	Cornell	EE	Y
123	Amy	3.9	1000	234	Berkeley	biology	N
123	Amy	3.9	1000	345	MIT	bioengin	Y
123	Amy	3.9	1000	345	Cornell	bioengin	N
123	Amy	3.9	1000	345	Cornell	CS	Y
123	Amy	3.9	1000	345	Cornell	EE	N
123	Amy	3.9	1000	678	Stanford	history	Y
123	Amy	3.9	1000	987	Stanford	CS	Y
123	Amy	3.9	1000	987	Berkeley	CS	Y
123	Amy	3.9	1000	876	Stanford	CS	N
123	Amy	3.9	1000	876	MIT	biology	Y
123	Amy	3.9	1000	876	MIT	marine bi	N
123	Amy	3.9	1000	765	Stanford	history	Y
123	Amy	3.9	1000	765	Cornell	history	N
123	Amy	3.9	1000	765	Cornell	psycholog	Y
123	Amy	3.9	1000	543	MIT	CS	N
234	Bob	3.6	1500	123	Stanford	CS	Y
234	Bob	3.6	1500	123	Stanford	EE	N
234	Bob	3.6	1500	123	Berkeley	CS	Y
234	Bob	3.6	1500	123	Cornell	EE	Y
234	Bob	3.6	1500	234	Berkeley	biology	N

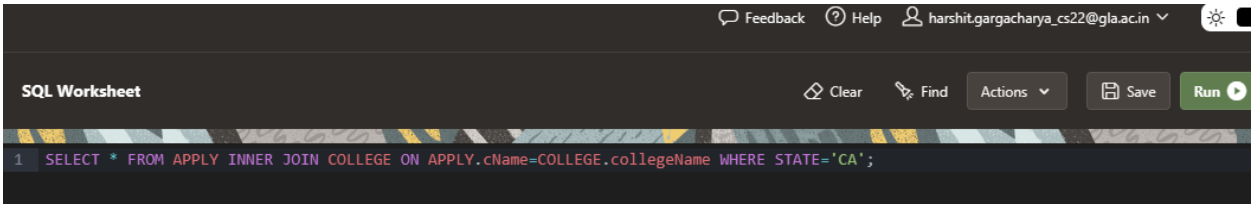
234	Bob	3.6	1500	345	MIT	bioengin	Y
234	Bob	3.6	1500	345	Cornell	bioengin	N
234	Bob	3.6	1500	345	Cornell	CS	Y
234	Bob	3.6	1500	345	Cornell	EE	N
234	Bob	3.6	1500	678	Stanford	history	Y
234	Bob	3.6	1500	987	Stanford	CS	Y
234	Bob	3.6	1500	987	Berkeley	CS	Y
234	Bob	3.6	1500	876	Stanford	CS	N
234	Bob	3.6	1500	876	MIT	biology	Y
234	Bob	3.6	1500	876	MIT	marine b	N
234	Bob	3.6	1500	765	Stanford	history	Y
234	Bob	3.6	1500	765	Cornell	history	N
234	Bob	3.6	1500	765	Cornell	psycholo	Y
234	Bob	3.6	1500	543	MIT	CS	N
345	Craig	3.5	500	123	Stanford	CS	Y
345	Craig	3.5	500	123	Stanford	EE	N
345	Craig	3.5	500	123	Berkeley	CS	Y
345	Craig	3.5	500	123	Cornell	EE	Y
345	Craig	3.5	500	234	Berkeley	biology	N
345	Craig	3.5	500	345	MIT	bioengin	Y
345	Craig	3.5	500	345	Cornell	bioengin	N
345	Craig	3.5	500	345	Cornell	CS	Y
345	Craig	3.5	500	345	Cornell	EE	N
345	Craig	3.5	500	678	Stanford	history	Y
345	Craig	3.5	500	987	Stanford	CS	Y
345	Craig	3.5	500	987	Berkeley	CS	Y

2. Give Student ID, name, GPA and name of college and major each student applied to.



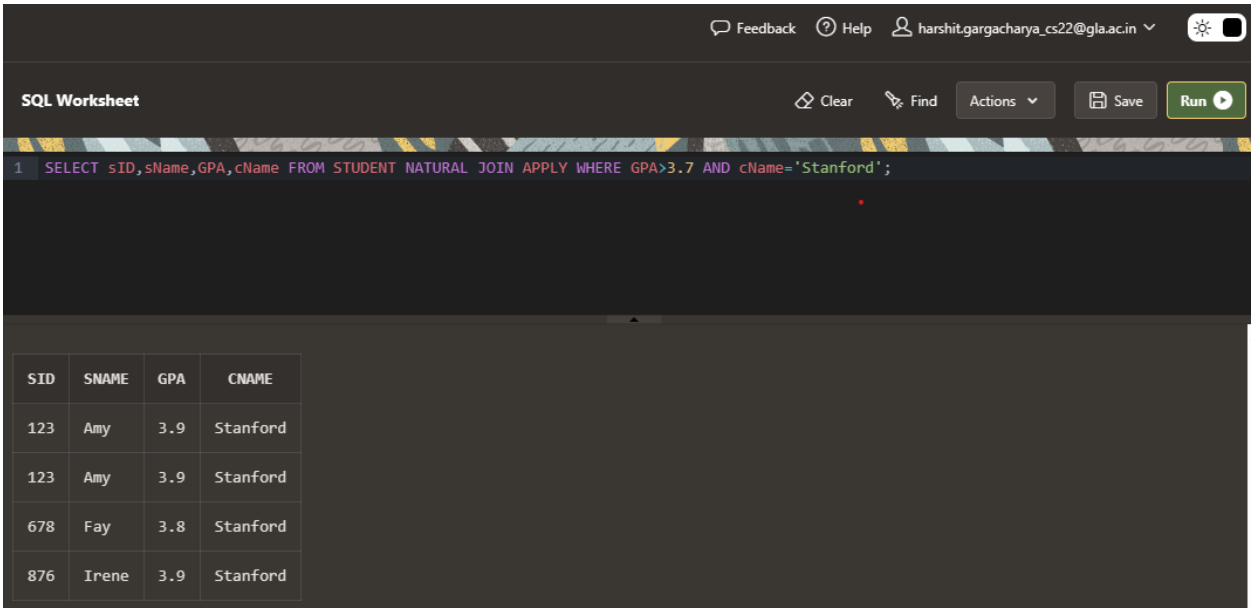
SID	SNAME	GPA	CNAME	MAJOR
123	Amy	3.9	Berkeley	CS
123	Amy	3.9	Stanford	CS
123	Amy	3.9	Cornell	EE
123	Amy	3.9	Stanford	EE
234	Bob	3.6	Berkeley	biology
345	Craig	3.5	Cornell	CS
345	Craig	3.5	Cornell	EE
345	Craig	3.5	Cornell	bioengineering
345	Craig	3.5	MIT	bioengineering
543	Craig	3.4	MIT	CS
678	Fay	3.8	Stanford	history
765	Jay	2.9	Cornell	history
765	Jay	2.9	Stanford	history
765	Jay	2.9	Cornell	psychology
876	Irene	3.9	Stanford	CS
876	Irene	3.9	MIT	biology
876	Irene	3.9	MIT	marine biology
987	Helen	3.7	Berkeley	CS
987	Helen	3.7	Stanford	CS

3. Find detail of applications who applied to California State.

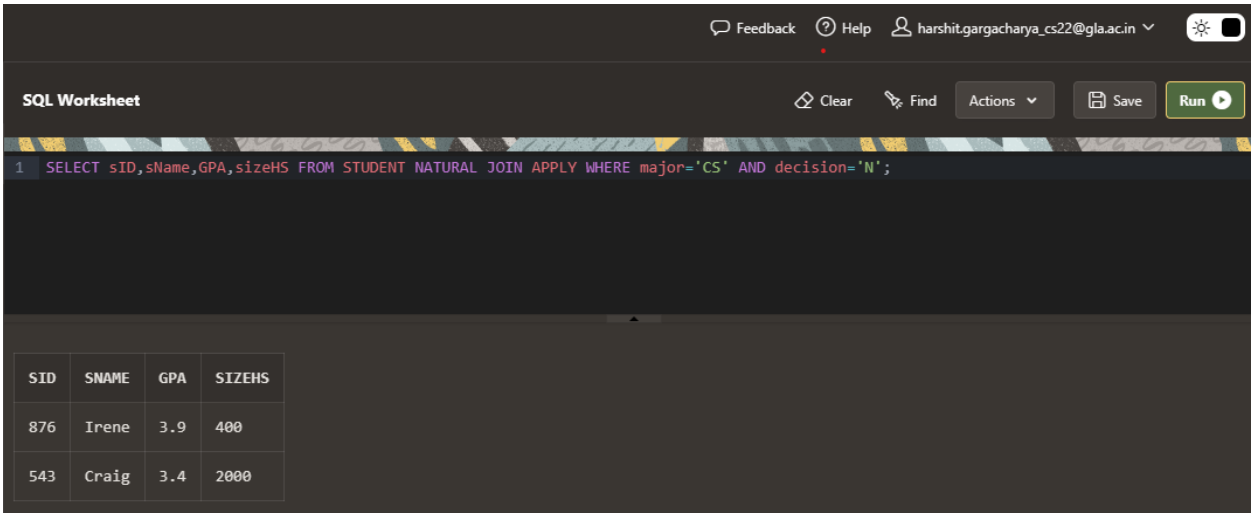


SID	CNAME	MAJOR	DECISION	COLLEGEN	STATE	ENROLLMENT
123	Stanford	CS	Y	Stanford	CA	15000
123	Stanford	EE	N	Stanford	CA	15000
123	Berkeley	CS	Y	Berkeley	CA	36000
234	Berkeley	biology	N	Berkeley	CA	36000
678	Stanford	history	Y	Stanford	CA	15000
987	Stanford	CS	Y	Stanford	CA	15000
987	Berkeley	CS	Y	Berkeley	CA	36000
876	Stanford	CS	N	Stanford	CA	15000
765	Stanford	history	Y	Stanford	CA	15000

4. IDs, name, GPA of students and name of college with GPA > 3.7 applying to Stanford.

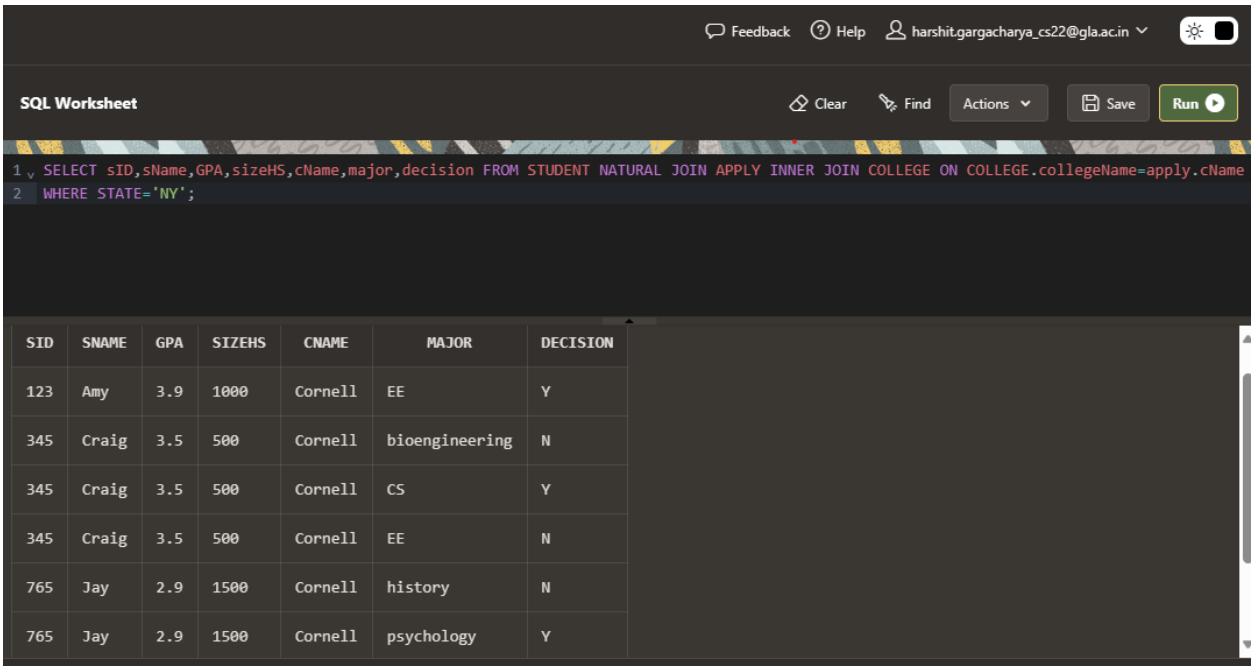


5. Find detail of Student who apply to CS major and their application are rejected.



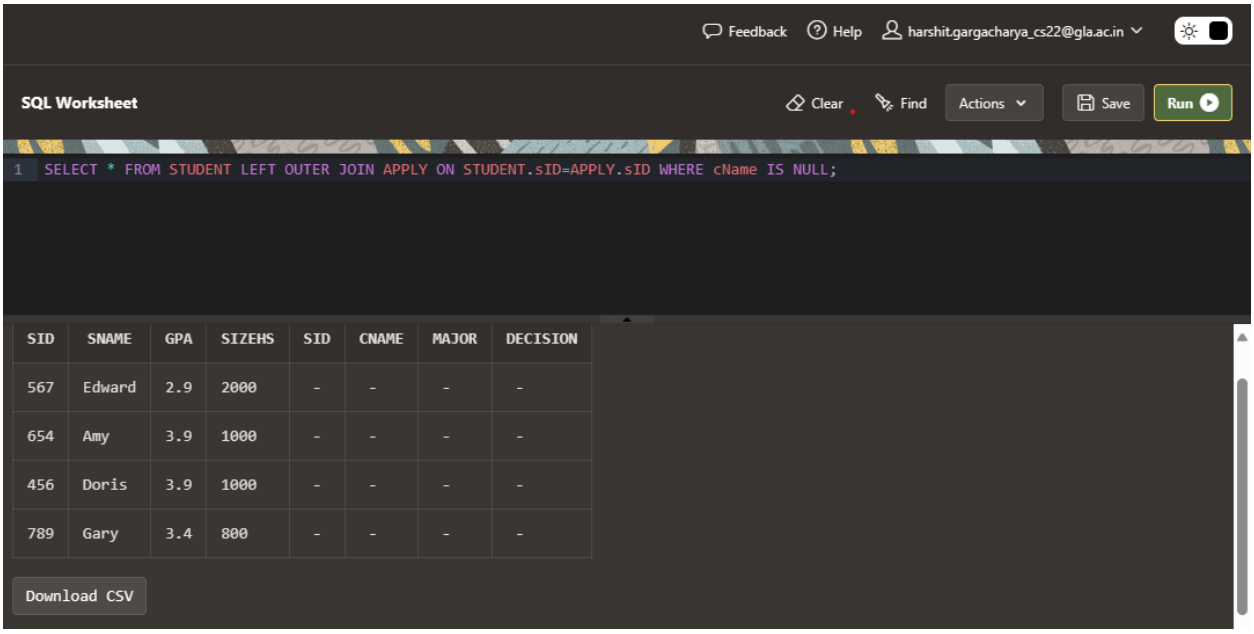
SID	SNAME	GPA	SIZEHS
876	Irene	3.9	400
543	Craig	3.4	2000

6. Find detail of student and application who applied to colleges at New York.

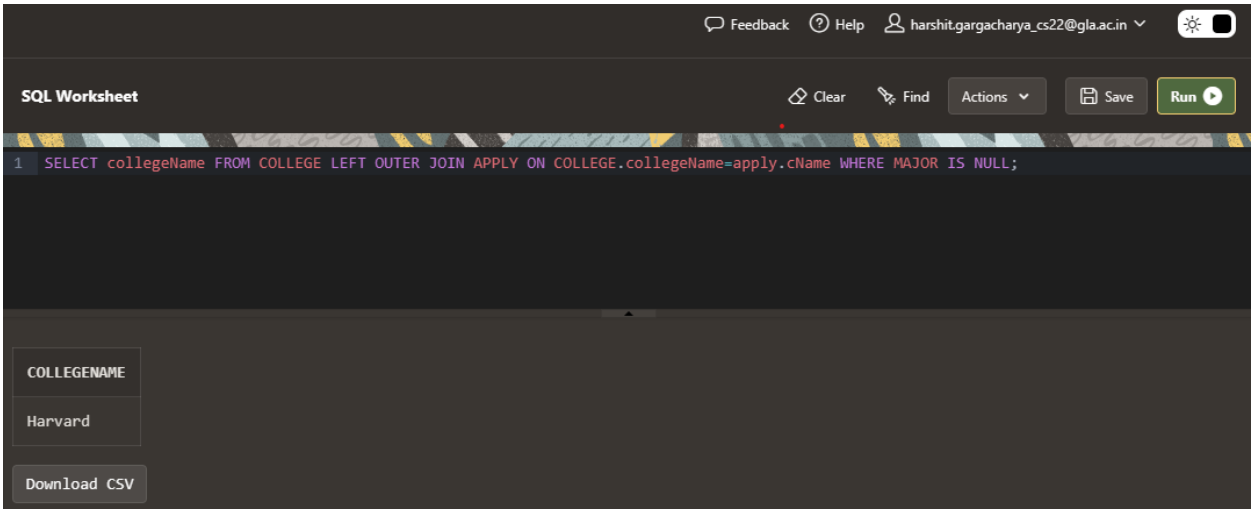


SID	SNAME	GPA	SIZEHS	CNAME	MAJOR	DECISION
123	Amy	3.9	1000	Cornell	EE	Y
345	Craig	3.5	500	Cornell	bioengineering	N
345	Craig	3.5	500	Cornell	CS	Y
345	Craig	3.5	500	Cornell	EE	N
765	Jay	2.9	1500	Cornell	history	N
765	Jay	2.9	1500	Cornell	psychology	Y

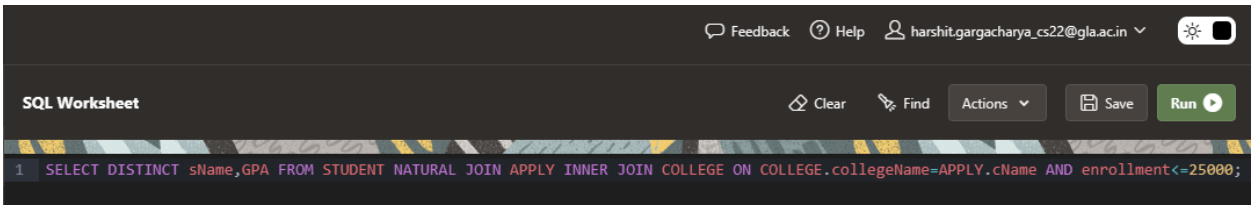
7. Find detail of student who have not applied to any of college.



8. Find college where no student have applied.

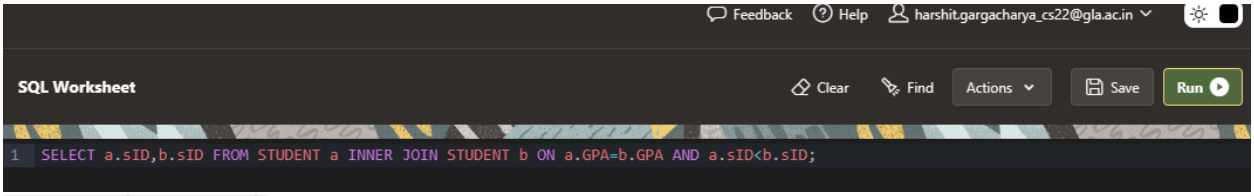


10. Find name and GPA of applicants who apply to any college whose enrollment is not more than 25000.



SNAME	GPA
Craig	3.4
Amy	3.9
Craig	3.5
Helen	3.7
Fay	3.8
Jay	2.9
Irene	3.9

11. Find pair of students (sID) having same GPA. (each pair should occur just once in result).



SID	SID
123	456
543	789
123	876
456	876
654	876
567	765
123	654
456	654