Name ➔ *Laxman kumar Vashist*

Class ➔ *BTech. 2nd Year { E }*

University RollNo. ➔ *191500429*

Class RollNo. ➔ *'37'*

Subject ➔ *Database Management Systems Lab*

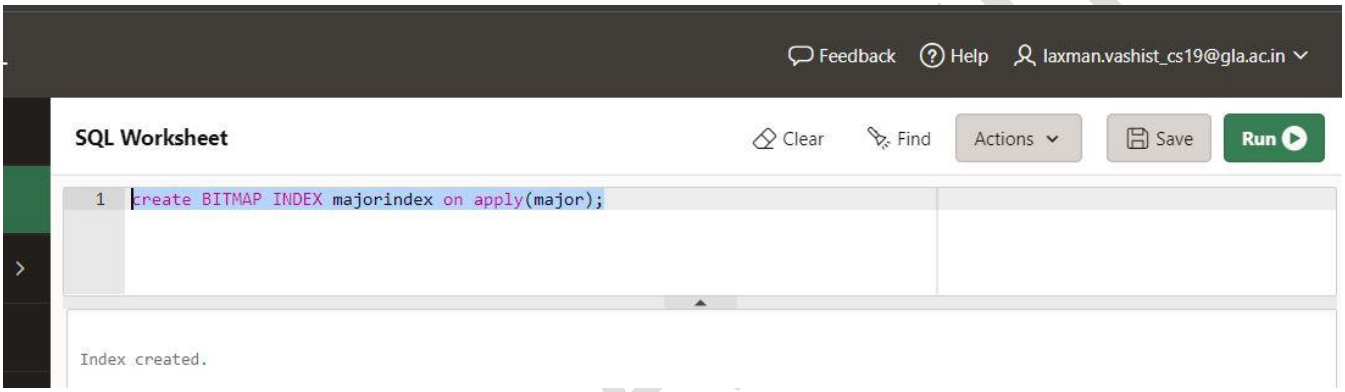
Subject Code ➔ *BCSC 0802*

SubjectTeacher ➔ *MRS. Gunjan Bharadwaj*

Qus 1 ➔ As we need to notify in system birthday of each student so kindly create an index DoBindex on column DoB of Student table.

CODE ➔

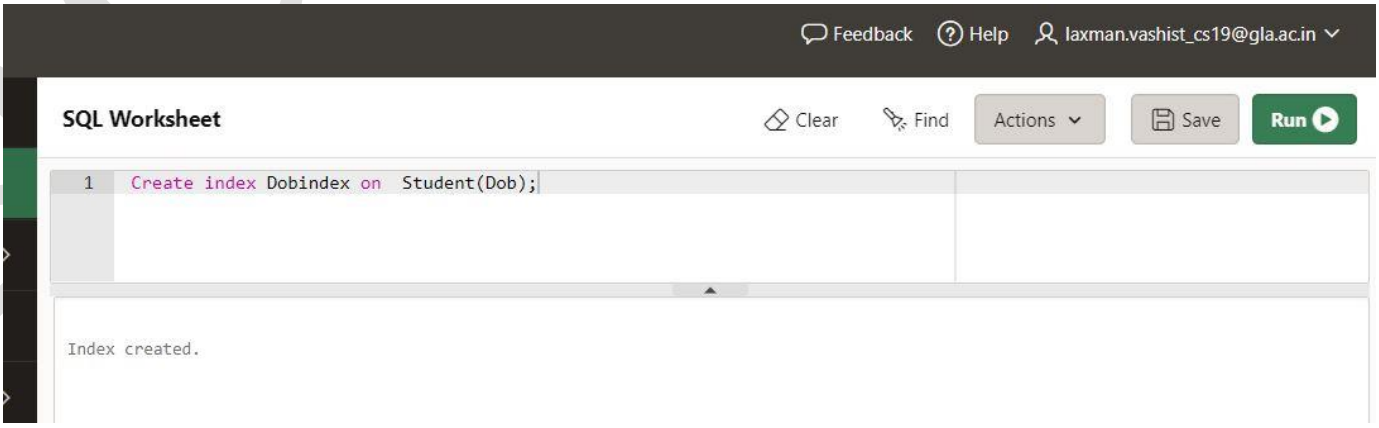
======



Qus 2 ➔ Which index be more suitable for major in Apply? Create Bitmap Index name MAJORindex.

CODE ➔

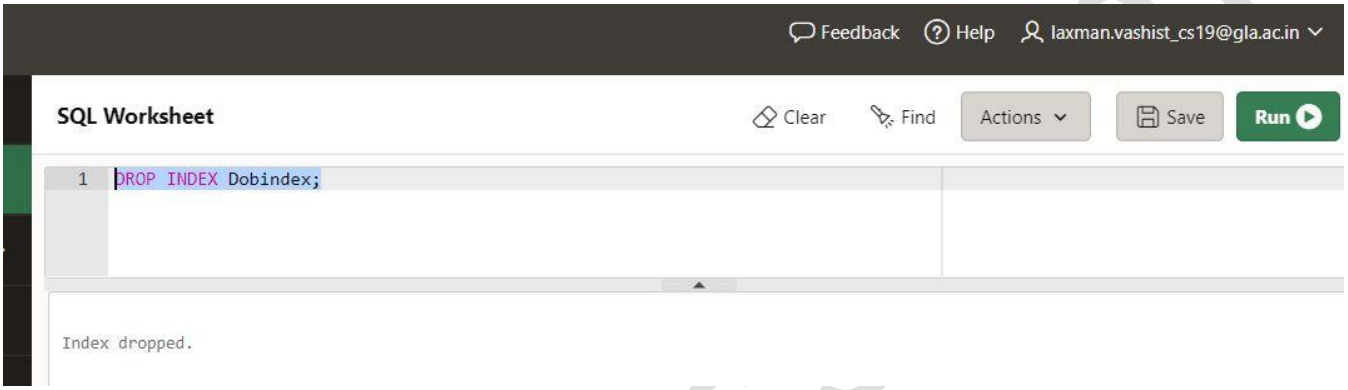
======



Qus 3 ➔Remove index on DoB column.

CODE➔

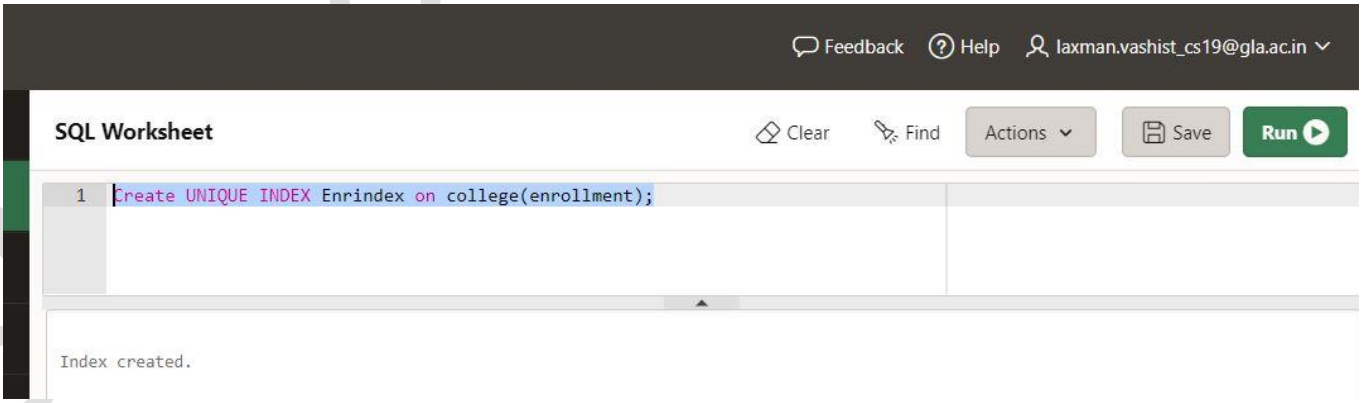
======



Qus 4 ➔Create an Unique index ENRindex on enrollment.

CODE➔

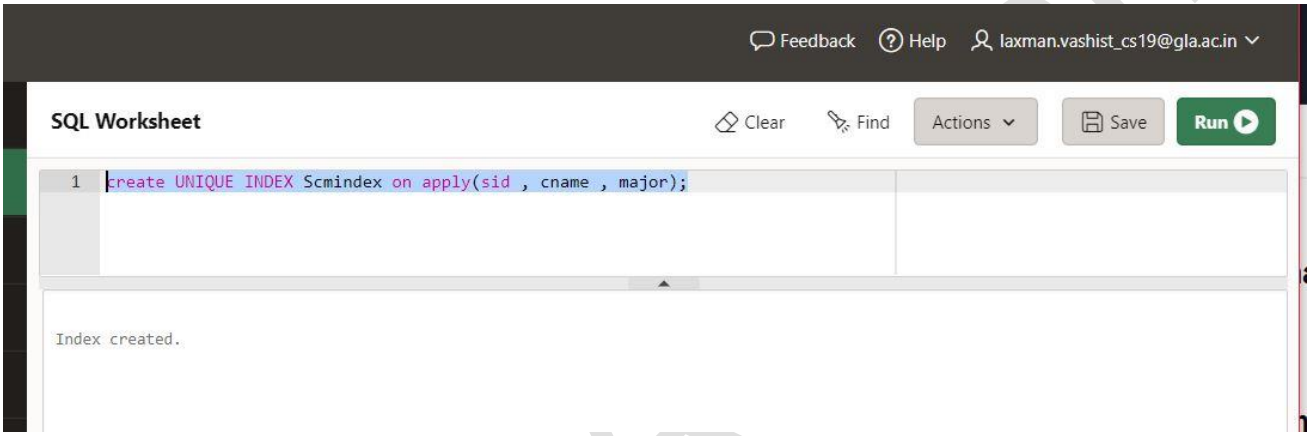
======



Qus 5 ➔ Create an composite Unique index SCMindex on Apply using columns sID, cName, major.

CODE ➔

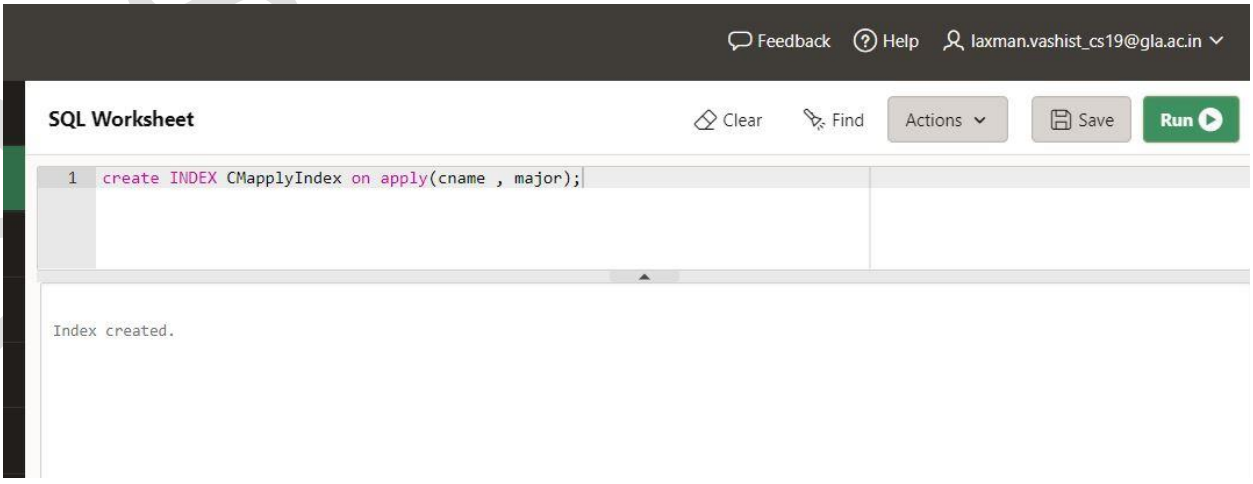
======



Qus 6 ➔ Create composite index on Apply using columns cName and major. Name this index as CMapplyINDX.

CODE ➔

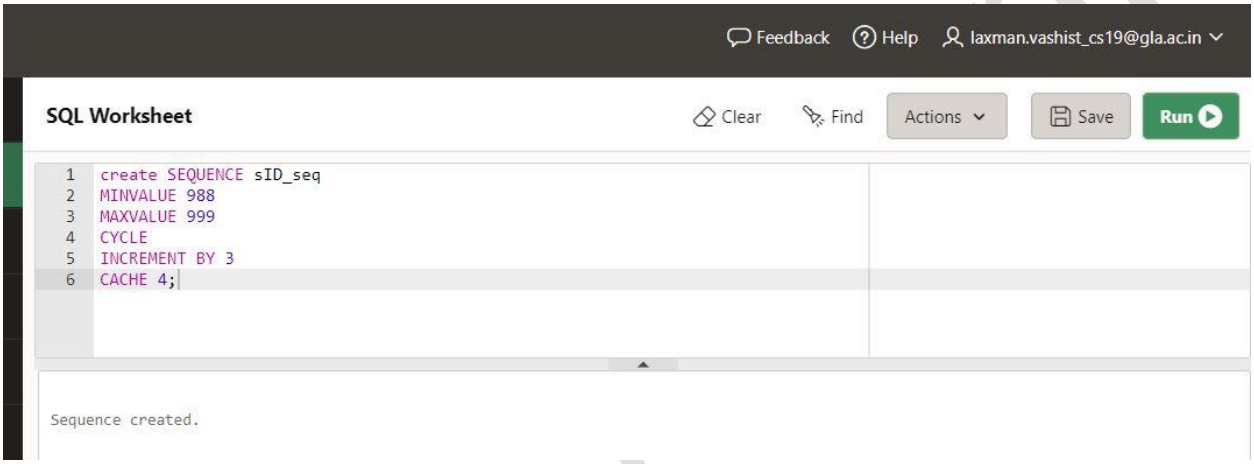
======



Qus 7 ➔ Create sequence sID_seq with following parameters, increment by 3, cycle, cache 4 and which will generate the numbers among 988 to 999.

CODE ➔

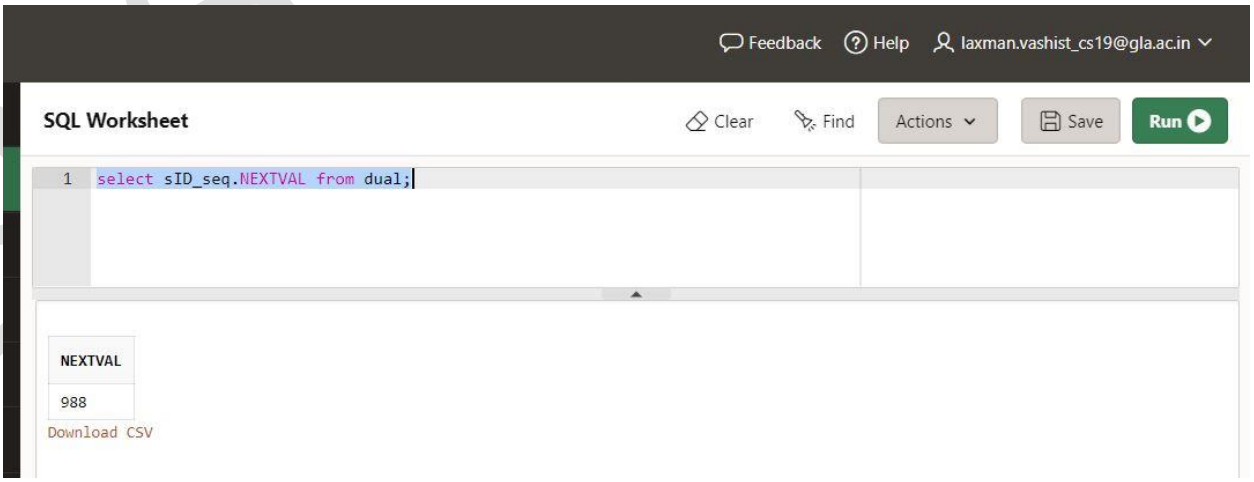
======



Qus 8 ➔Display next value of Sequence sID_seq.

CODE ➔

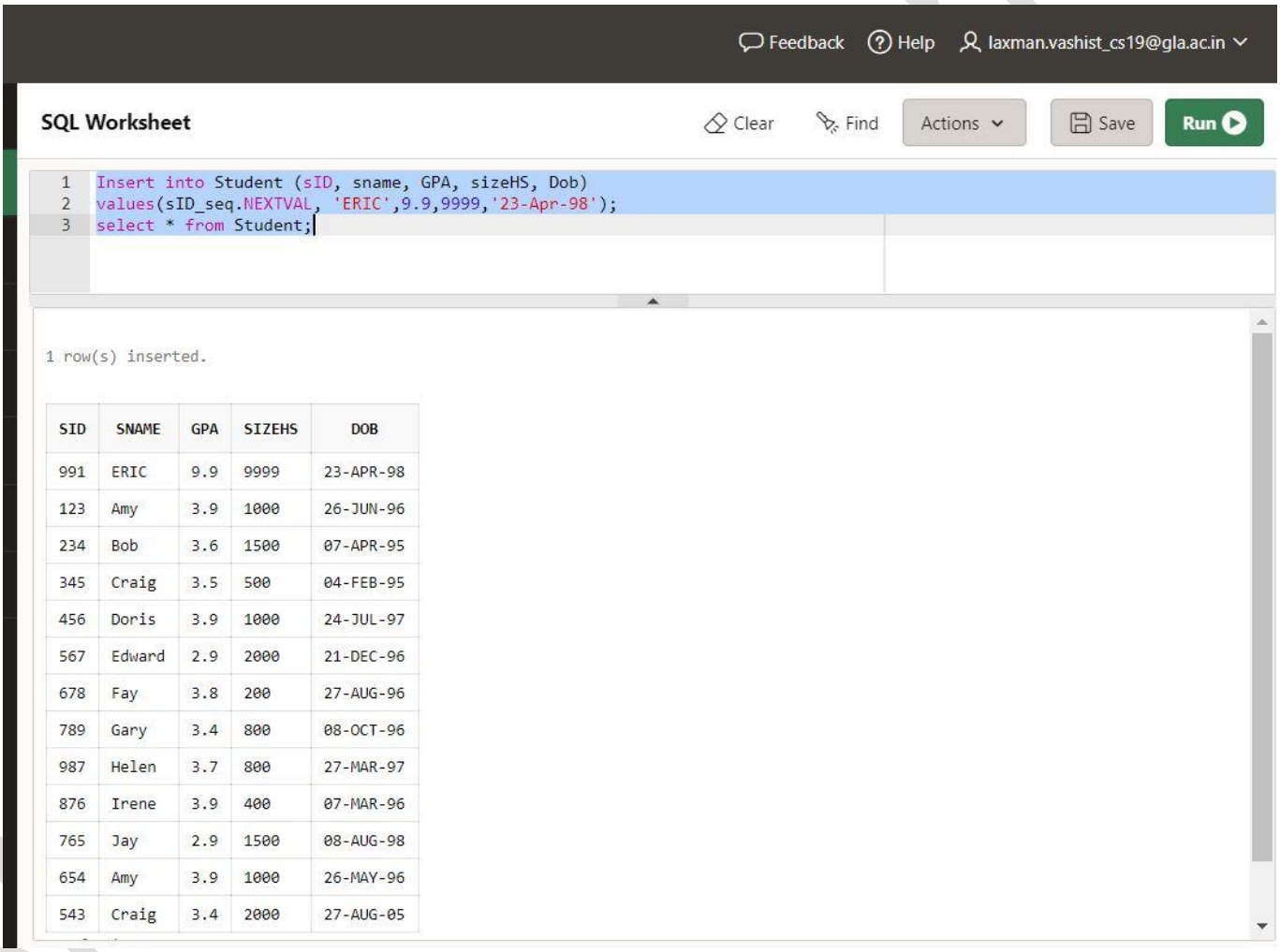
======



Qus 9 ➔ A new student entered the database named Eric with next sID from sequence sID_seq having GPA 9.9 , sizeHS 9999, DoB as '23-Apr-98' to table Student.

CODE ➔

======

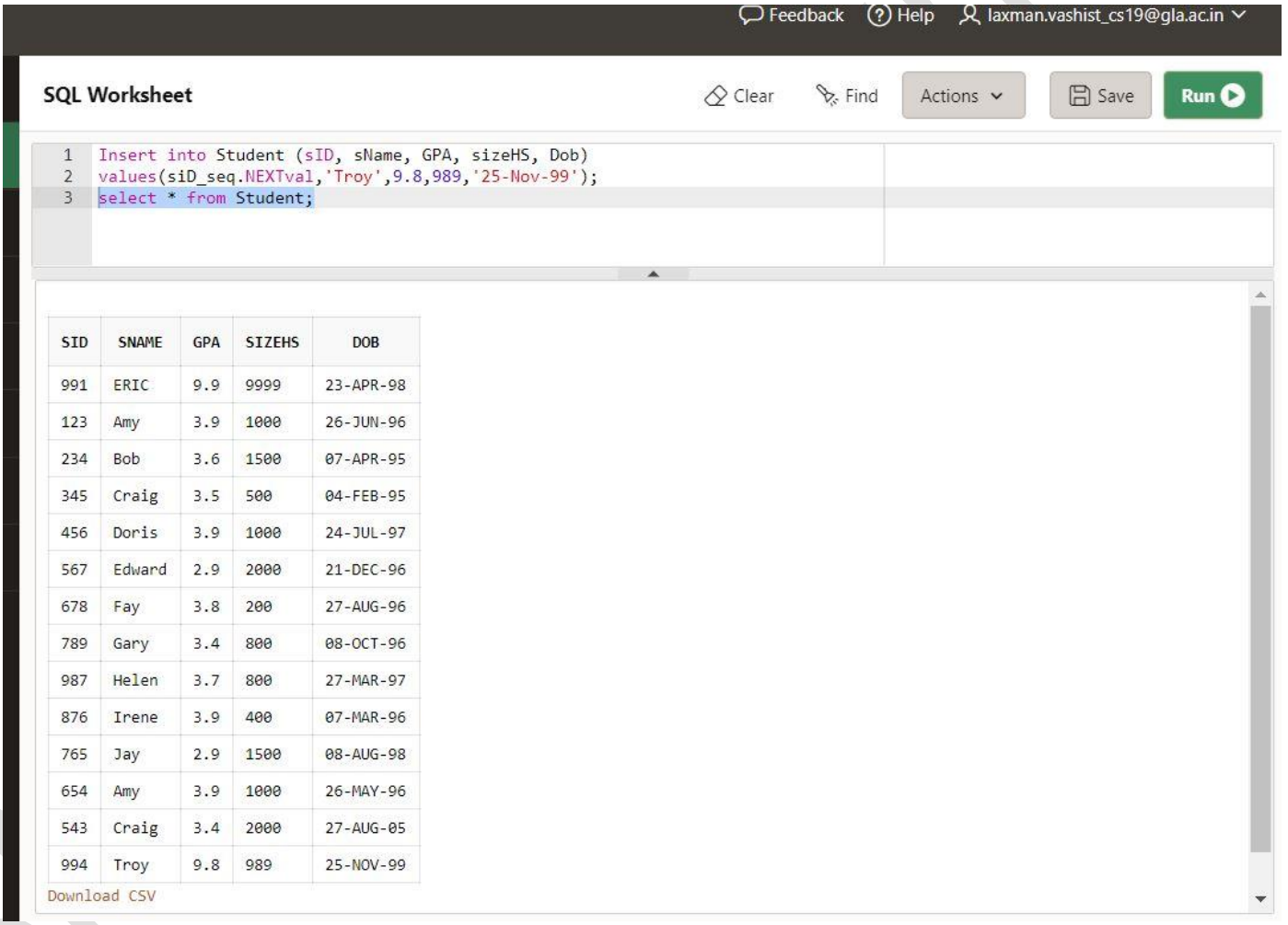


SID	SNAME	GPA	SIZEHS	DOB
991	ERIC	9.9	9999	23-APR-98
123	Amy	3.9	1000	26-JUN-96
234	Bob	3.6	1500	07-APR-95
345	Craig	3.5	500	04-FEB-95
456	Doris	3.9	1000	24-JUL-97
567	Edward	2.9	2000	21-DEC-96
678	Fay	3.8	200	27-AUG-96
789	Gary	3.4	800	08-OCT-96
987	Helen	3.7	800	27-MAR-97
876	Irene	3.9	400	07-MAR-96
765	Jay	2.9	1500	08-AUG-98
654	Amy	3.9	1000	26-MAY-96
543	Craig	3.4	2000	27-AUG-05

Qus 10 ➔ Now, another boy registered to our system named Troy with next sID from sequence sID_seq having GPA 9.8 and sizeHS 989 and Dob as '25-Nov-99'.

CODE ➔

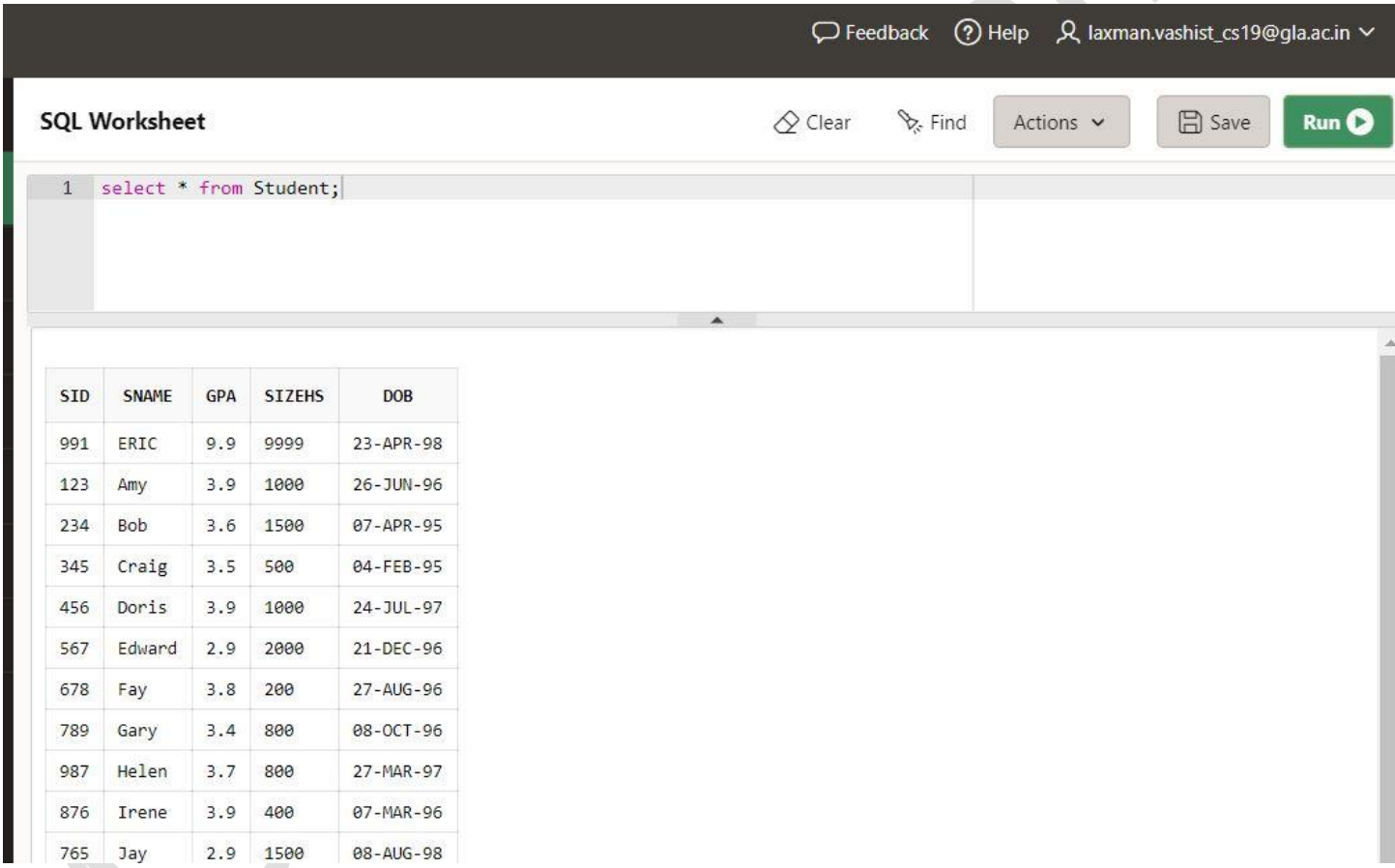
======



Qus 11 ➔ Display details of Student table and observe newly inserted Eric and Troy sID.

CODE ➔

======

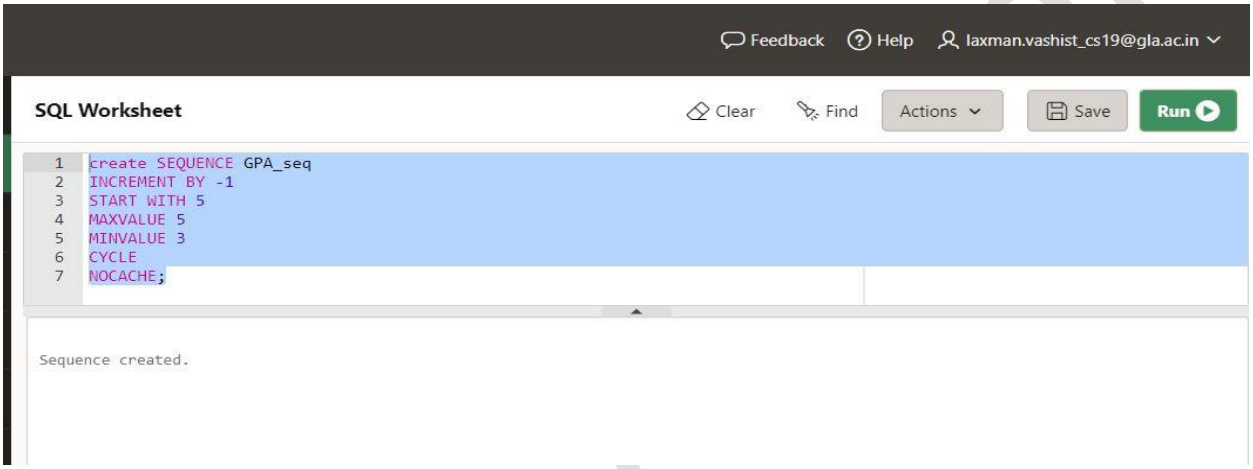


SID	SNAME	GPA	SIZEHS	DOB
991	ERIC	9.9	9999	23-APR-98
123	Amy	3.9	1000	26-JUN-96
234	Bob	3.6	1500	07-APR-95
345	Craig	3.5	500	04-FEB-95
456	Doris	3.9	1000	24-JUL-97
567	Edward	2.9	2000	21-DEC-96
678	Fay	3.8	200	27-AUG-96
789	Gary	3.4	800	08-OCT-96
987	Helen	3.7	800	27-MAR-97
876	Irene	3.9	400	07-MAR-96
765	Jay	2.9	1500	08-AUG-98

Qus 12 ➔ Create sequence GPA_seq having maximum value as 5 and min value as 3 you are supposed to start sequence with 5 and decrement the sequence with -1, cycle and no cache.

CODE ➔

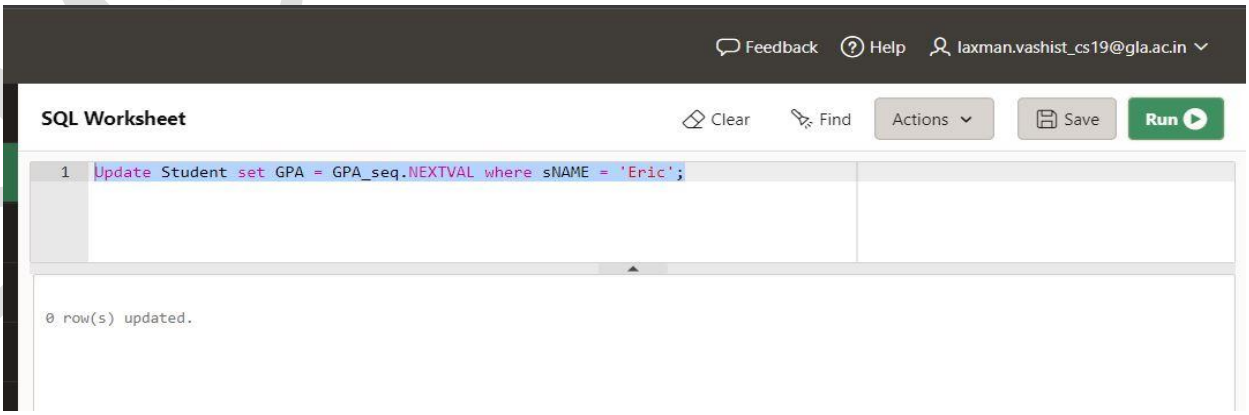
======



Qus 13 ➔ Update GPA of Eric to next value of sequence GPA_seq.

CODE ➔

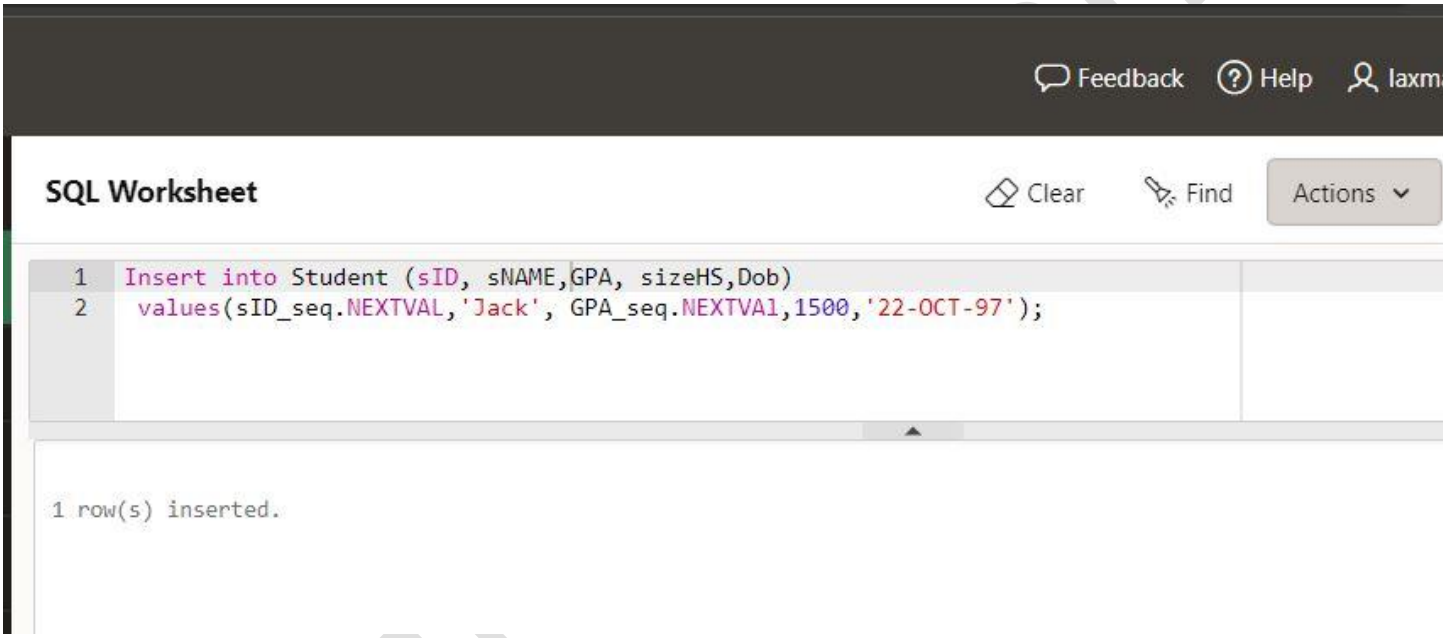
======



Qus 14 ➔ Insert student Jack with sId from sID_seq , GPA from GPA_seq, sizeHS as 1500 and DoB as ’22- OCT-97’.

CODE ➔

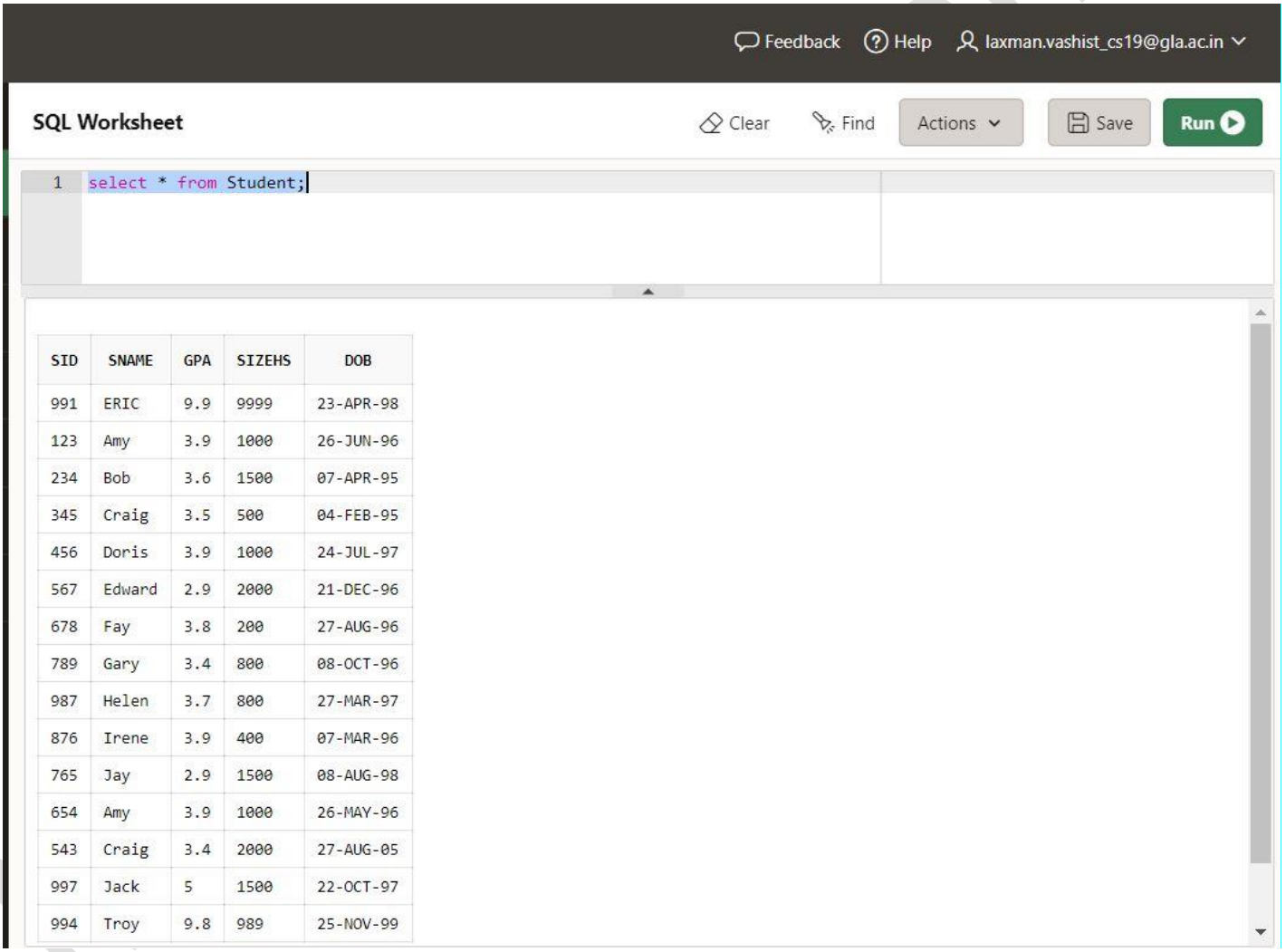
======



Qus 15 ➔ Display detail of Student Table and observe GPA and sID of Jack.

CODE ➔

======

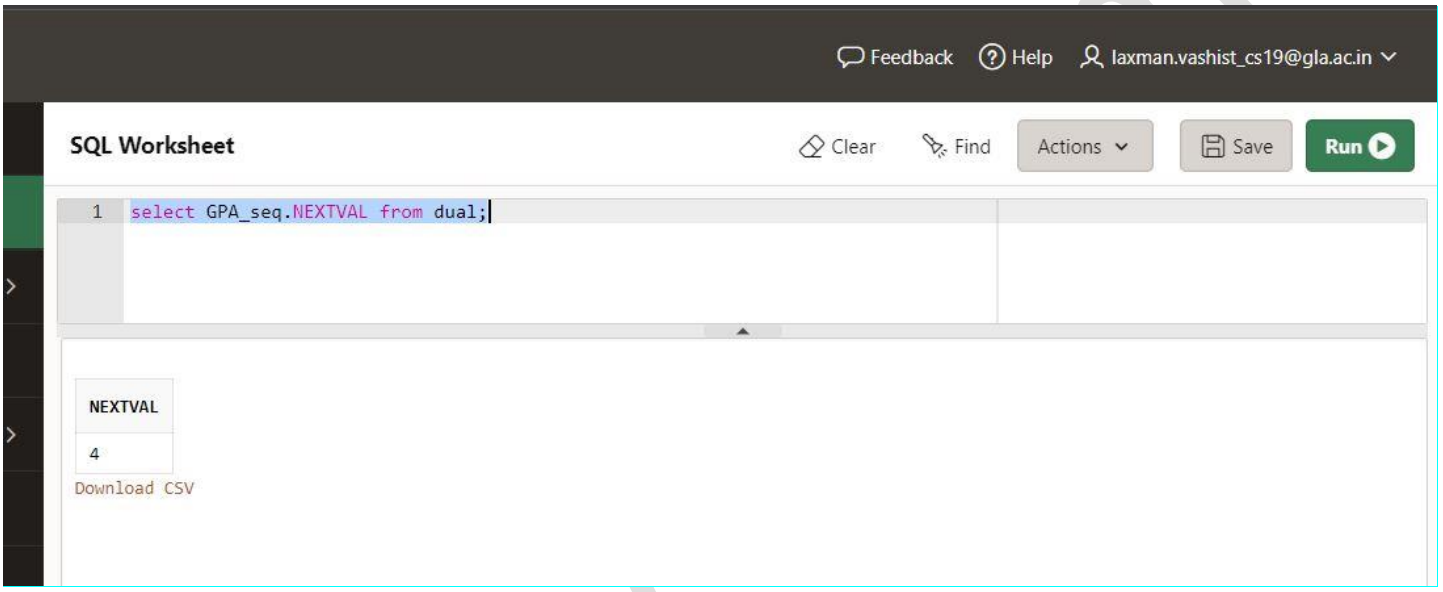


SID	SNAME	GPA	SIZEHS	DOB
991	ERIC	9.9	9999	23-APR-98
123	Amy	3.9	1000	26-JUN-96
234	Bob	3.6	1500	07-APR-95
345	Craig	3.5	500	04-FEB-95
456	Doris	3.9	1000	24-JUL-97
567	Edward	2.9	2000	21-DEC-96
678	Fay	3.8	200	27-AUG-96
789	Gary	3.4	800	08-OCT-96
987	Helen	3.7	800	27-MAR-97
876	Irene	3.9	400	07-MAR-96
765	Jay	2.9	1500	08-AUG-98
654	Amy	3.9	1000	26-MAY-96
543	Craig	3.4	2000	27-AUG-05
997	Jack	5	1500	22-OCT-97
994	Troy	9.8	989	25-NOV-99

Qus 16 ➔ Display next value of sequence GPA_seq.

CODE ➔

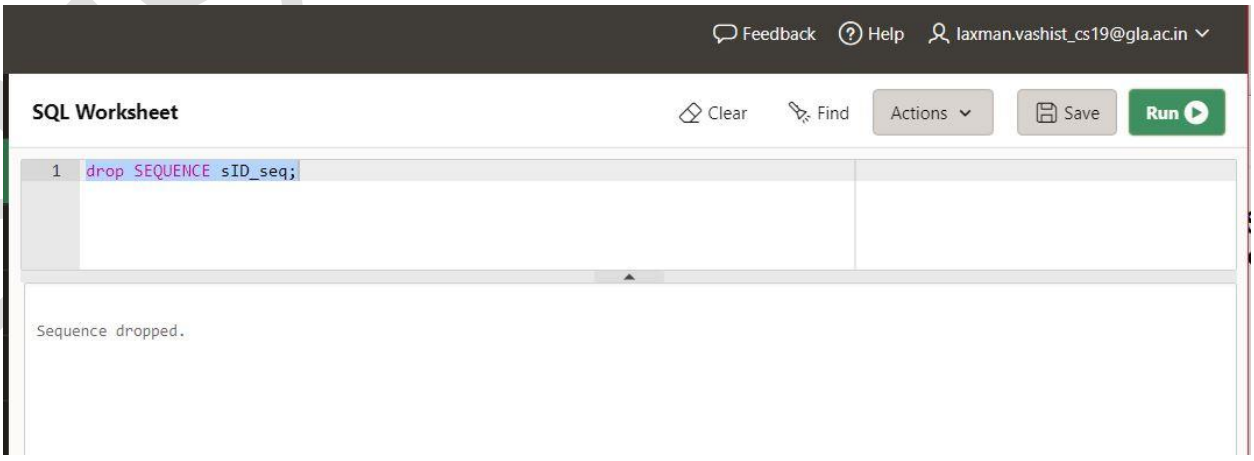
======



Qus 17 ➔ Drop sequence sID_seq.

CODE ➔

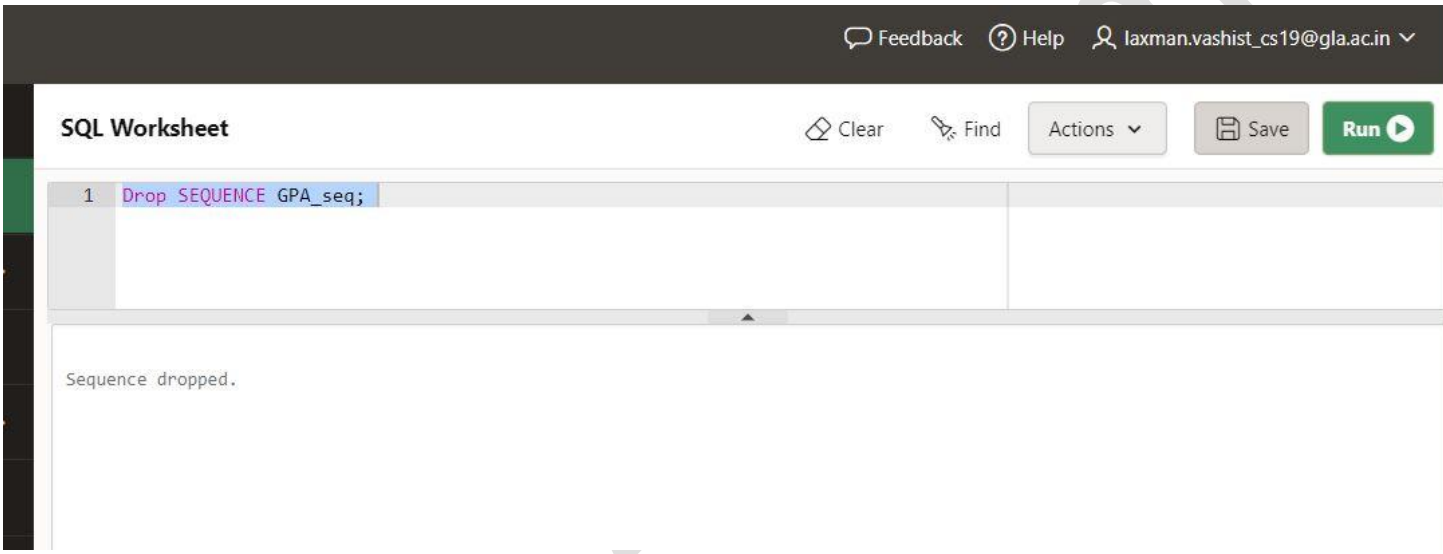
======



Qus 18 ➔Drop sequence GPA_seq.

CODE➔

======



THANK YOU

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