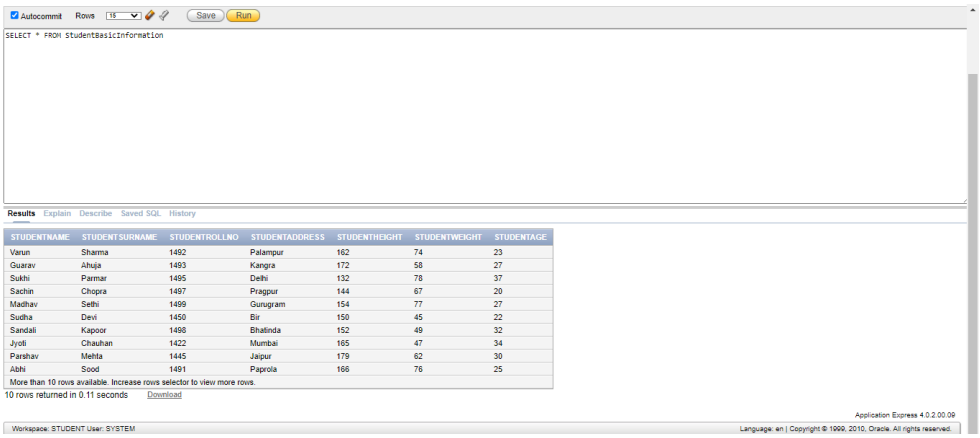
4.Snap of the all the tables after insertion



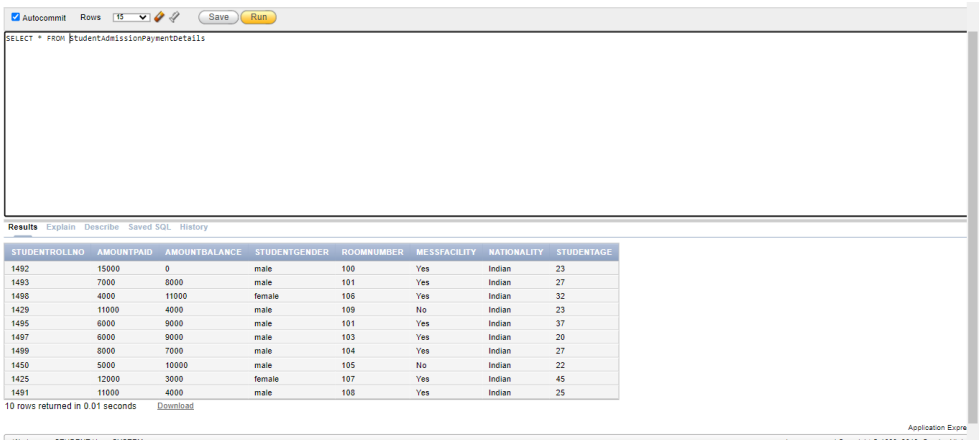
```
SELECT * FROM StudentBasicInformation
```

STUDENTNAME	STUDENTSURNAME	STUDENTROLLNO	STUDENTADDRESS	STUDENTHEIGHT	STUDENTWEIGHT	STUDENTAGE
Varun	Sharma	1492	Palampur	162	74	23
Guarav	Ahuja	1493	Kangra	172	58	27
Sukhi	Parmar	1495	Delhi	132	78	37
Sachin	Chopra	1497	Pragpur	144	67	20
Madhav	Sethi	1499	Gurugram	154	77	27
Sudha	Devi	1450	Bir	150	45	22
Sandali	Kapoor	1498	Bhatinda	152	49	32
Jyoti	Chauhan	1422	Mumbai	165	47	34
Parshav	Mehta	1445	Jaipur	179	62	30
Abhi	Sood	1491	Paprola	166	76	25

More than 10 rows available. Increase rows selector to view more rows.

10 rows returned in 0.11 seconds Download

StudentBasicInformation

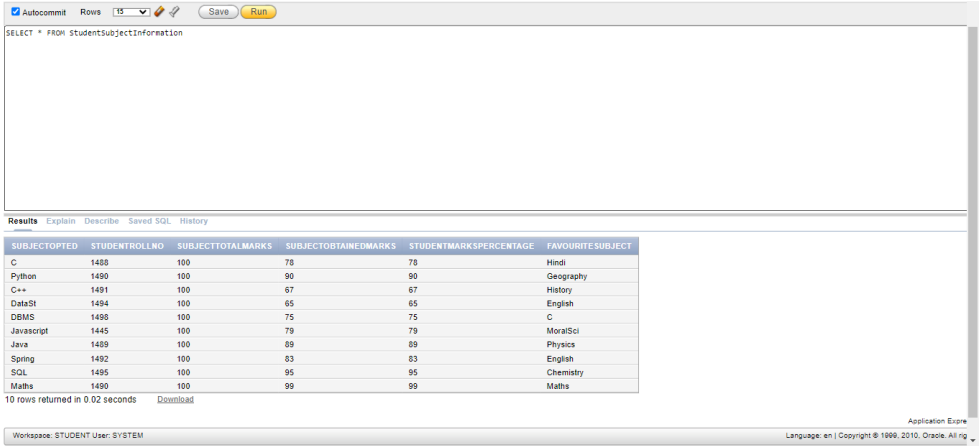


```
SELECT * FROM StudentAdmissionPaymentDetails
```

STUDENTROLLNO	AMOUNTPAID	AMOUNTBALANCE	STUDENTGENDER	ROOMNUMBER	MESSFACILITY	NATIONALITY	STUDENTAGE
1492	15000	0	male	100	Yes	Indian	23
1493	7000	8000	male	101	Yes	Indian	27
1498	4000	11000	female	106	Yes	Indian	32
1429	11000	4000	male	109	No	Indian	23
1495	6000	9000	male	101	Yes	Indian	37
1497	6000	9000	male	103	Yes	Indian	20
1499	8000	7000	male	104	Yes	Indian	27
1450	5000	10000	male	105	No	Indian	22
1425	12000	3000	female	107	Yes	Indian	45
1491	11000	4000	male	108	Yes	Indian	25

10 rows returned in 0.01 seconds Download

StudentAdmissionPaymentDetails

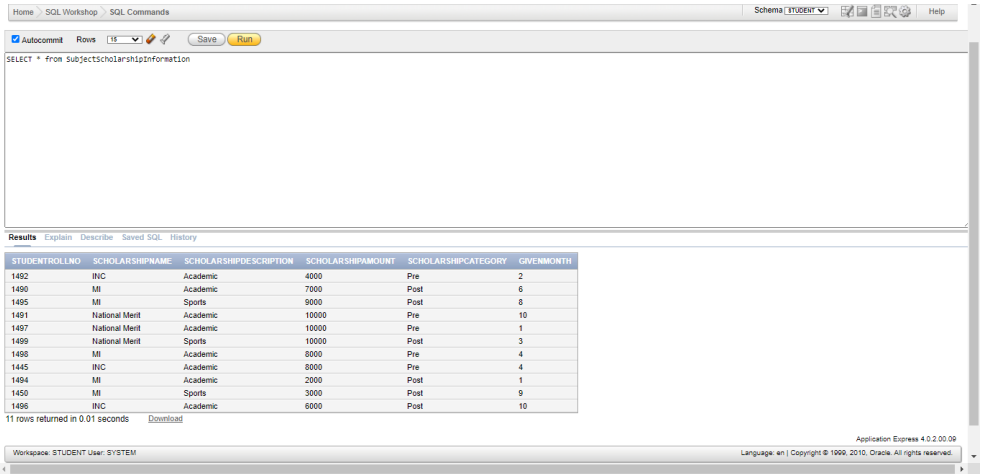


```
SELECT * FROM StudentSubjectInformation
```

SUBJECTOPTED	STUDENTROLLNO	SUBJECTTOTALMARKS	SUBJECTOBTAINEDMARKS	STUDENTMARKSPERCENTAGE	FAVOURITESUBJECT
C	1488	100	78	78	Hindi
Python	1490	100	90	90	Geography
C++	1491	100	67	67	History
DataSt	1494	100	65	65	English
DBMS	1498	100	75	75	C
Javascript	1445	100	79	79	MoralSci
Java	1489	100	89	89	Physics
Spring	1492	100	83	83	English
SQL	1495	100	95	95	Chemistry
Maths	1490	100	99	99	Maths

10 rows returned in 0.02 seconds Download

StudentSubjectInformation



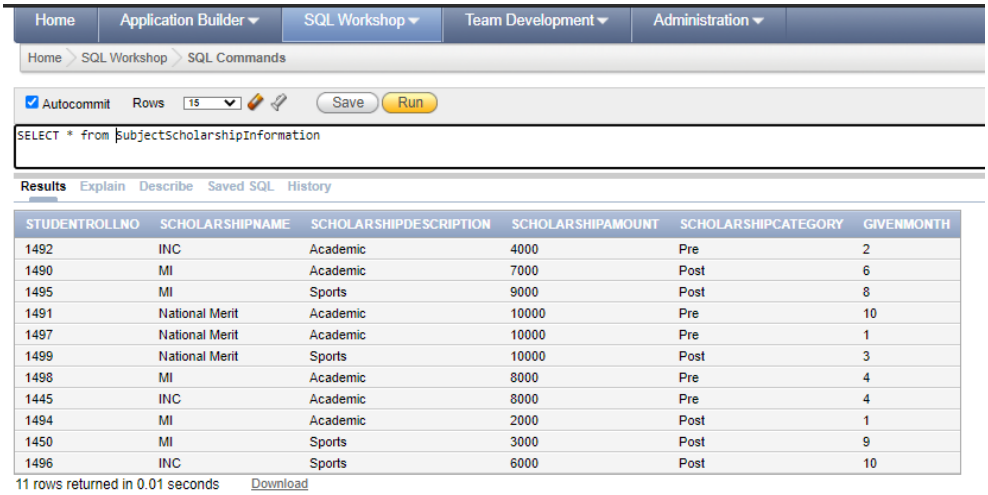
```
SELECT * from SubjectScholarshipInformation
```

STUDENTROLLNO	SCHOLARSHIPNAME	SCHOLARSHIPDESCRIPTION	SCHOLARSHIPAMOUNT	SCHOLARSHIPCATEGORY	GIVENMONTH
1492	INC	Academic	4000	Pre	2
1490	MI	Academic	7000	Post	6
1495	MI	Sports	9000	Post	8
1491	National Merit	Academic	10000	Pre	10
1497	National Merit	Academic	10000	Pre	1
1499	National Merit	Sports	10000	Post	3
1498	MI	Academic	8000	Pre	4
1445	INC	Academic	8000	Pre	4
1494	MI	Academic	2000	Post	1
1450	MI	Sports	3000	Post	9
1496	INC	Academic	6000	Post	10

11 rows returned in 0.01 seconds Download

StudentScholarshipInformation

6. Snap of all the tables after updating



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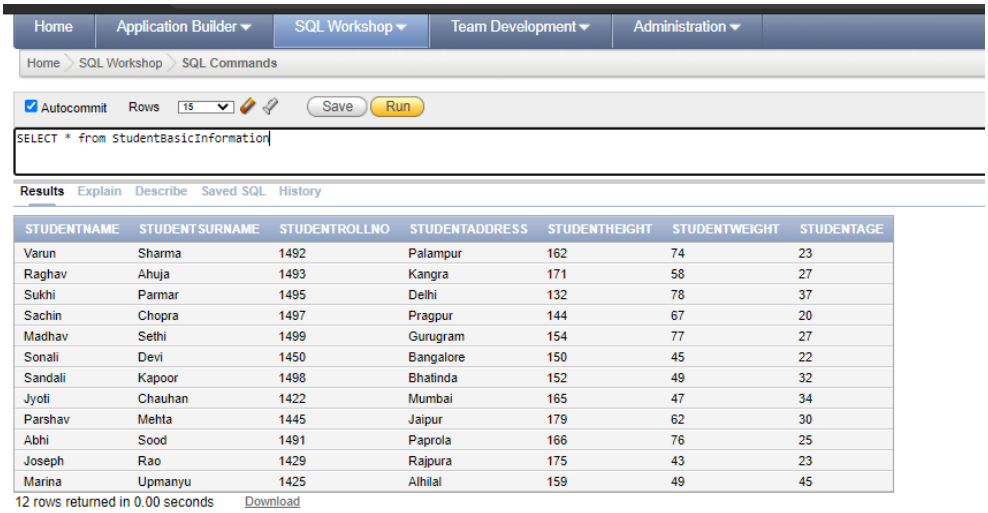
Autocommit Rows 15 Save Run

```
SELECT * from subjectScholarshipInformation
```

Results Explain Describe Saved SQL History

STUDENTROLLNO	SCHOLARSHIPNAME	SCHOLARSHIPDESCRIPTION	SCHOLARSHIPAMOUNT	SCHOLARSHIPCATEGORY	GIVENMONTH
1492	INC	Academic	4000	Pre	2
1490	MI	Academic	7000	Post	6
1495	MI	Sports	9000	Post	8
1491	National Merit	Academic	10000	Pre	10
1497	National Merit	Academic	10000	Pre	1
1499	National Merit	Sports	10000	Post	3
1498	MI	Academic	8000	Pre	4
1445	INC	Academic	8000	Pre	4
1494	MI	Academic	2000	Post	1
1450	MI	Sports	3000	Post	9
1496	INC	Sports	6000	Post	10

11 rows returned in 0.01 seconds Download



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Home > SQL Workshop > SQL Commands

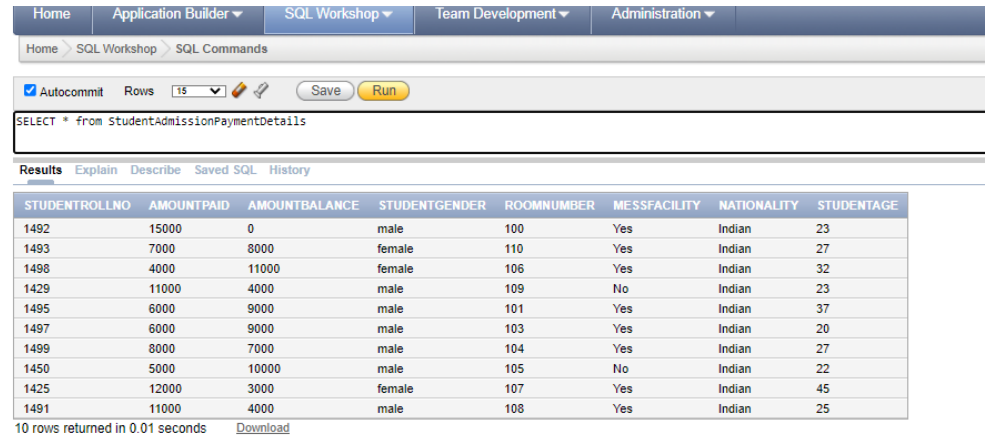
Autocommit Rows 15 Save Run

```
SELECT * from StudentBasicInformation
```

Results Explain Describe Saved SQL History

STUDENTNAME	STUDENTSURNAME	STUDENTROLLNO	STUDENTADDRESS	STUDENTHEIGHT	STUDENTWEIGHT	STUDENTAGE
Varun	Sharma	1492	Palampur	162	74	23
Raghav	Ahuja	1493	Kangra	171	58	27
Sukhi	Parmar	1495	Delhi	132	78	37
Sachin	Chopra	1497	Pragpur	144	67	20
Madhav	Sethi	1499	Gurugram	154	77	27
Sonali	Devi	1450	Bangalore	150	45	22
Sandali	Kapoor	1498	Bhatinda	152	49	32
Jyoti	Chauhan	1422	Mumbai	165	47	34
Parshav	Mehta	1445	Jaipur	179	62	30
Abhi	Sood	1491	Paprola	166	76	25
Joseph	Rao	1429	Rajpura	175	43	23
Marina	Upmanyu	1425	Alhilal	159	49	45

12 rows returned in 0.00 seconds Download



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Autocommit Rows 15 Save Run

```
SELECT * from StudentAdmissionPaymentDetails
```

Results Explain Describe Saved SQL History

STUDENTROLLNO	AMOUNTPAID	AMOUNTBALANCE	STUDENTGENDER	ROOMNUMBER	MESSFACILITY	NATIONALITY	STUDENTAGE
1492	15000	0	male	100	Yes	Indian	23
1493	7000	8000	female	110	Yes	Indian	27
1498	4000	11000	female	106	Yes	Indian	32
1429	11000	4000	male	109	No	Indian	23
1495	6000	9000	male	101	Yes	Indian	37
1497	6000	9000	male	103	Yes	Indian	20
1499	8000	7000	male	104	Yes	Indian	27
1450	5000	10000	male	105	No	Indian	22
1425	12000	3000	female	107	Yes	Indian	45
1491	11000	4000	male	108	Yes	Indian	25

10 rows returned in 0.01 seconds Download

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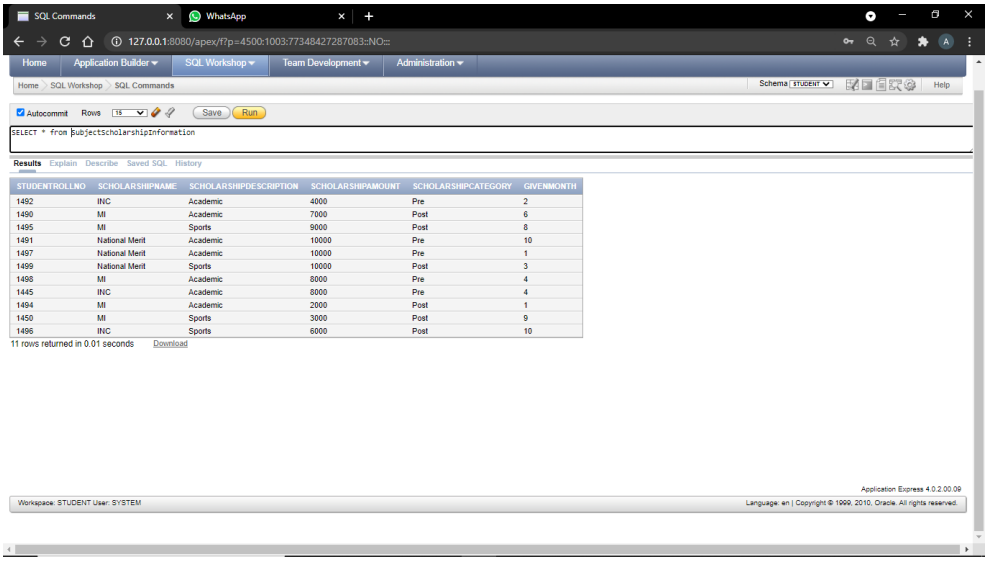
Autocommit Rows 15 Save Run

```
SELECT * from StudentBasicInformation
```

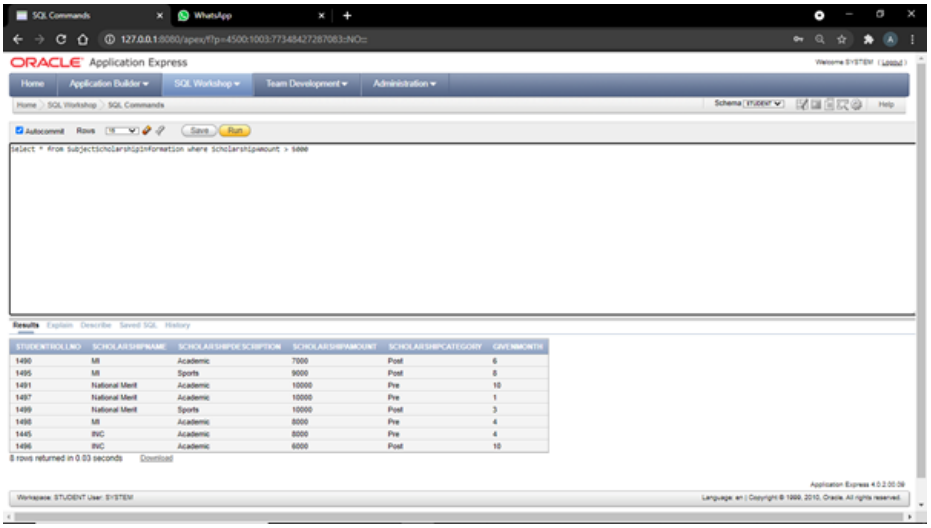
Results Explain Describe Saved SQL History

STUDENTNAME	STUDENTSURNAME	STUDENTROLLNO	STUDENTADDRESS	STUDENTHEIGHT	STUDENTWEIGHT	STUDENTAGE
Varun	Sharma	1492	Palampur	162	74	23
Raghav	Ahuja	1493	Kangra	171	58	27
Sukhi	Parmar	1495	Delhi	132	78	37
Sachin	Chopra	1497	Pragpur	144	67	20
Madhav	Sethi	1499	Gurugram	154	77	27
Sonali	Devi	1450	Bangalore	150	45	22
Sandali	Kapoor	1498	Bhatinda	152	49	32
Jyoti	Chauhan	1422	Mumbai	165	47	34
Parshav	Mehta	1445	Jaipur	179	62	30
Abhi	Sood	1491	Paprola	166	76	25
Joseph	Rao	1429	Rajpura	175	43	23
Marina	Upmanyu	1425	Alhilal	159	49	45

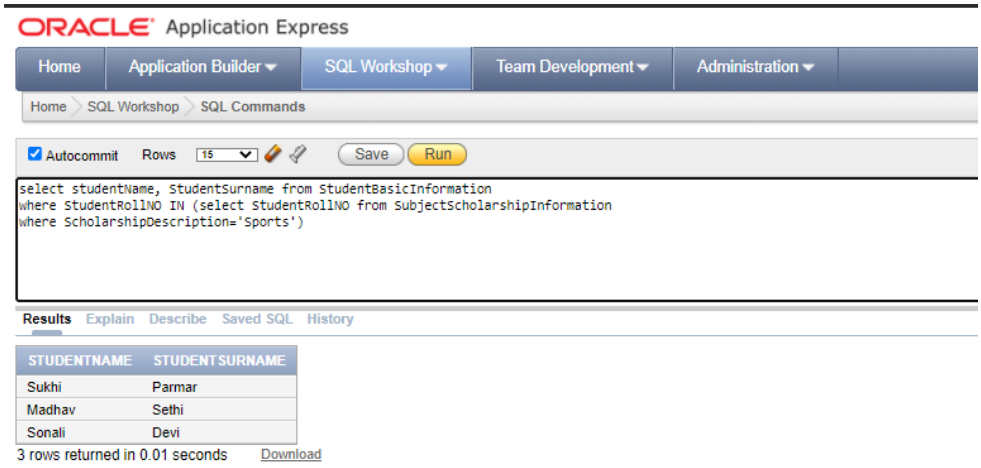
12 rows returned in 0.00 seconds Download



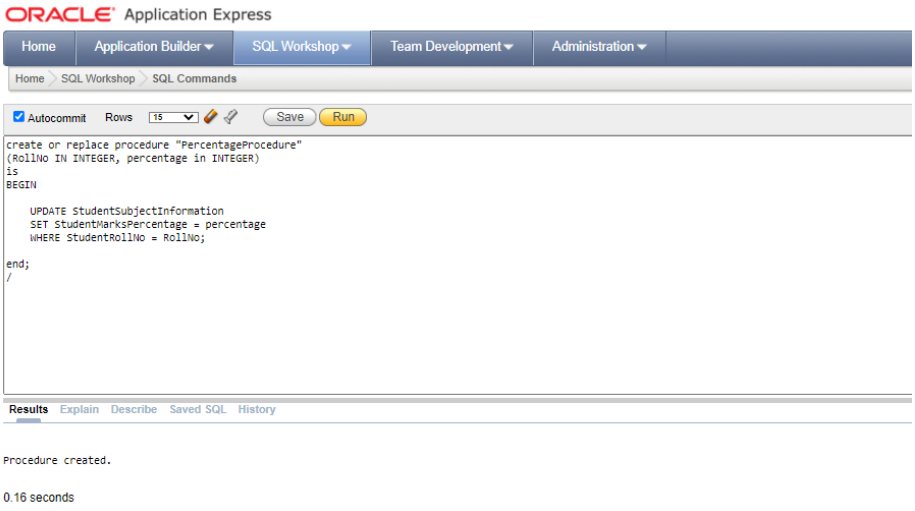
7. The student details records who has received the scholarship more than 5000Rs/-



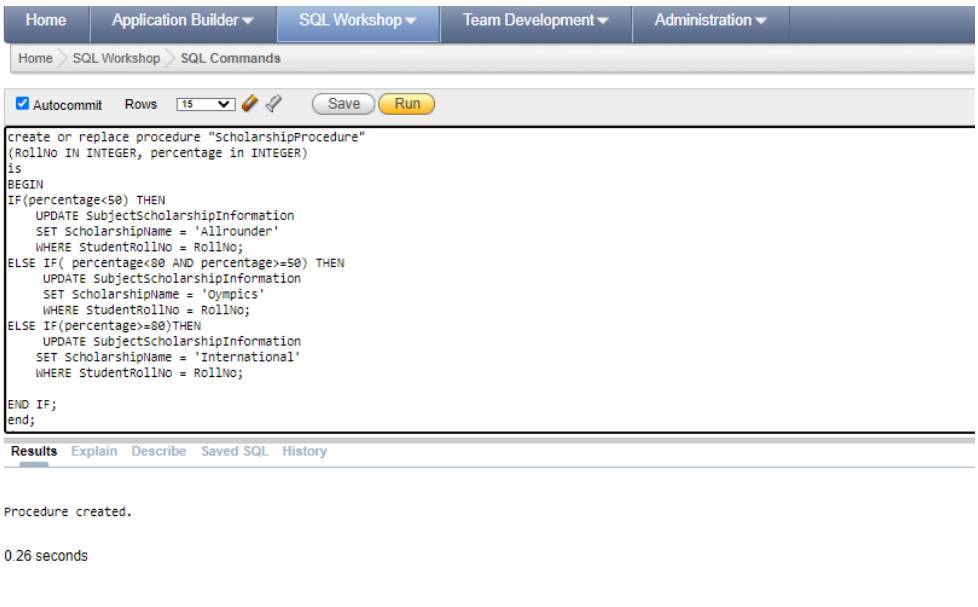
8. The students who opted for scholarship but has not got the scholarship



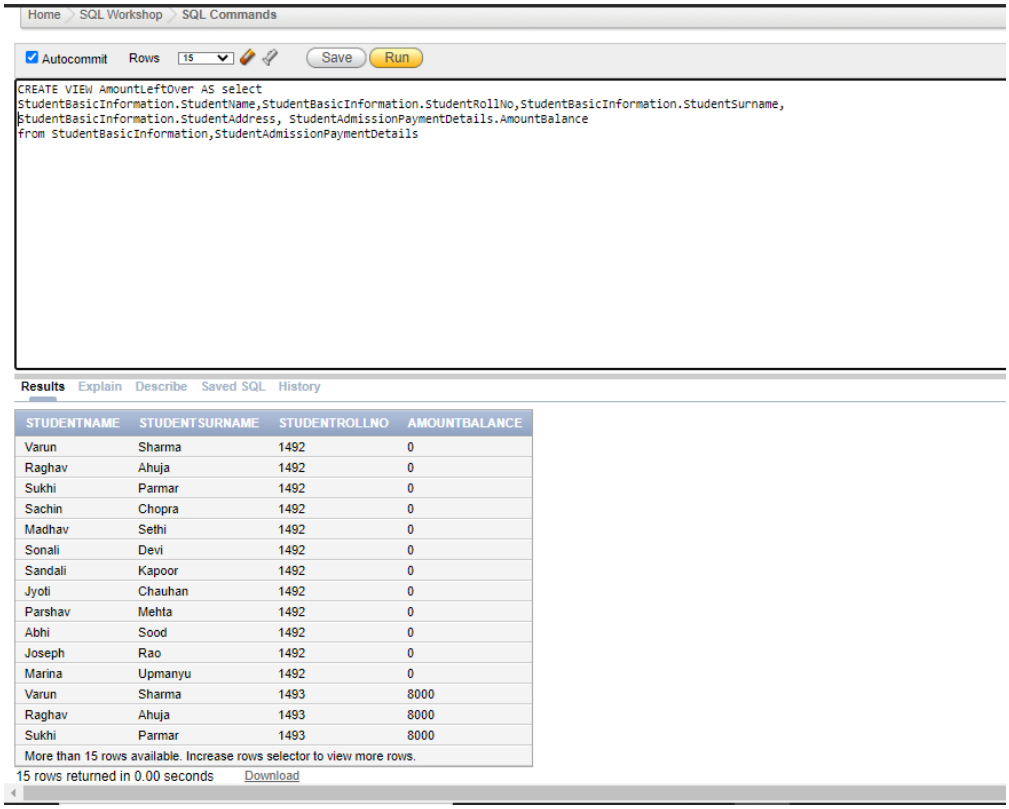
9. Fill in data for the percentage column



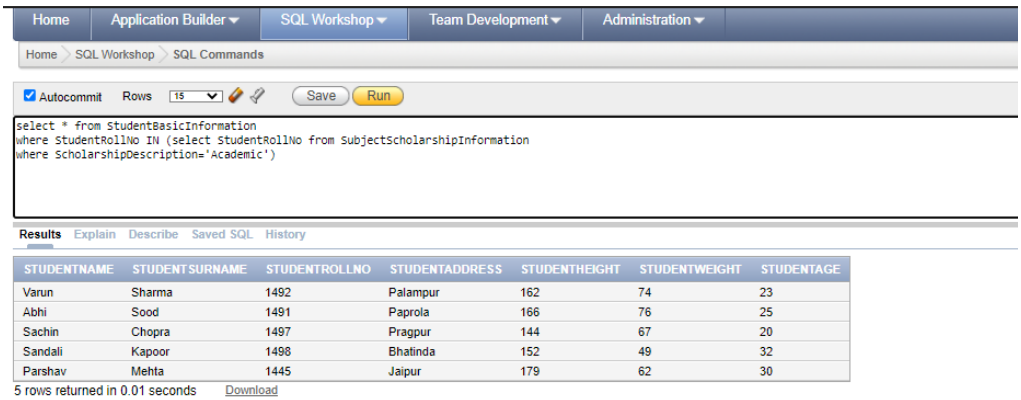
10. The category of the scholarship depending upon the marks/percentage obtained by the student and updated ScholarshipCategory column



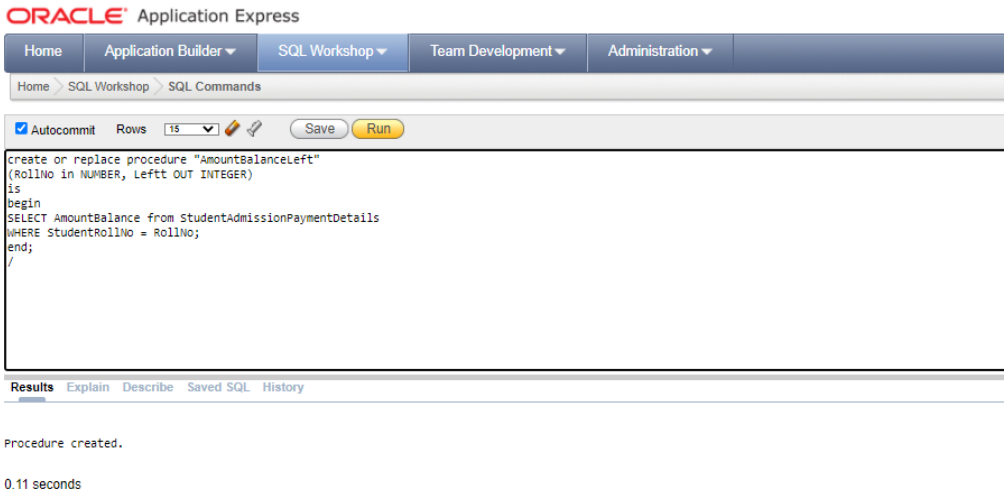
11. The View which shows balance amount to be paid by the student along with the student detailed information



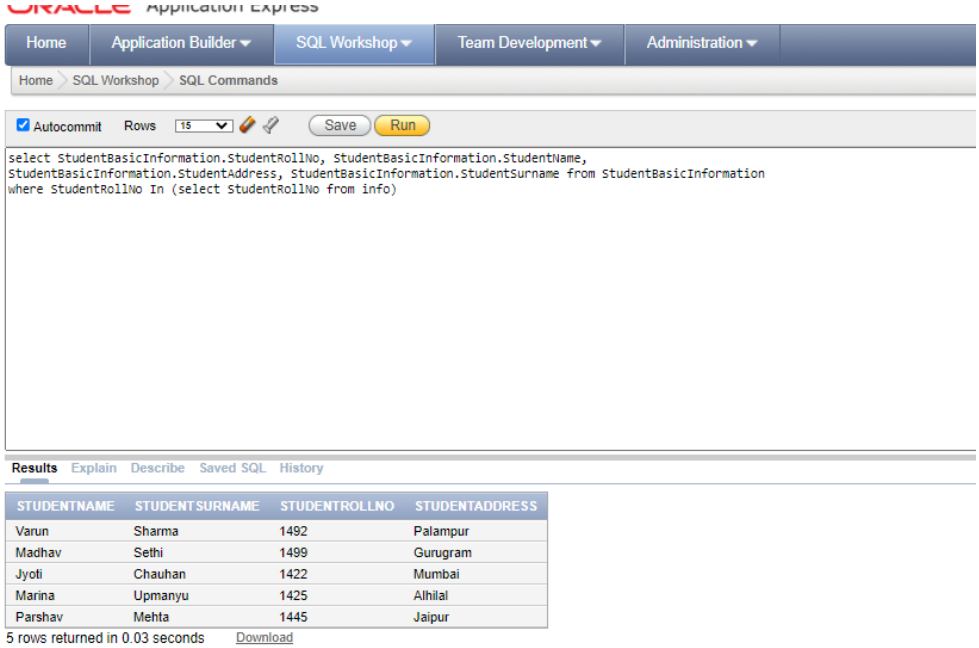
12. The details of the students who haven't got any scholarship



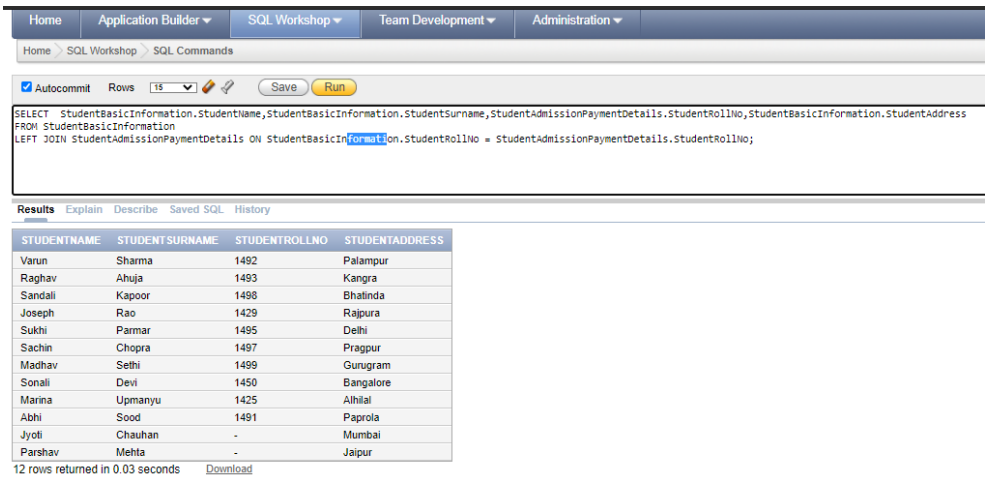
13. Stored Procedure which will be return the amount balance to be paid by the student as per the student roll number passed through the stored procedure as the input



14. The top five student details as per the StudentMarksPercentage values



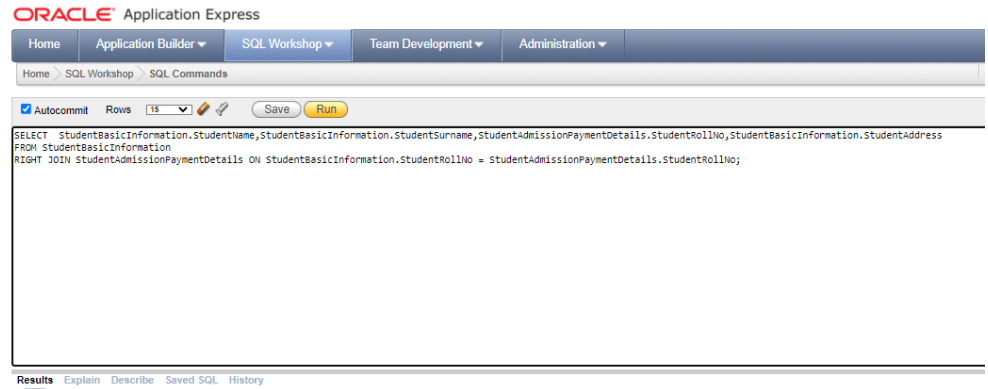
15(1).



STUDENTNAME	STUDENTSURNAME	STUDENTROLLNO	STUDENTADDRESS
Varun	Sharma	1492	Palampur
Raghav	Ahuja	1493	Kangra
Sandali	Kapoor	1498	Bhatinda
Joseph	Rao	1429	Rajpura
Sukhi	Parmar	1495	Delhi
Sachin	Chopra	1497	Pragpur
Madhav	Sethi	1499	Gurugram
Sonali	Devi	1450	Bangalore
Marina	Upmanyu	1425	Alhilal
Abhi	Sood	1491	Paprola
Jyoti	Chauhan	-	Mumbai
Parshav	Mehta	-	Jaipur

12 rows returned in 0.03 seconds Download

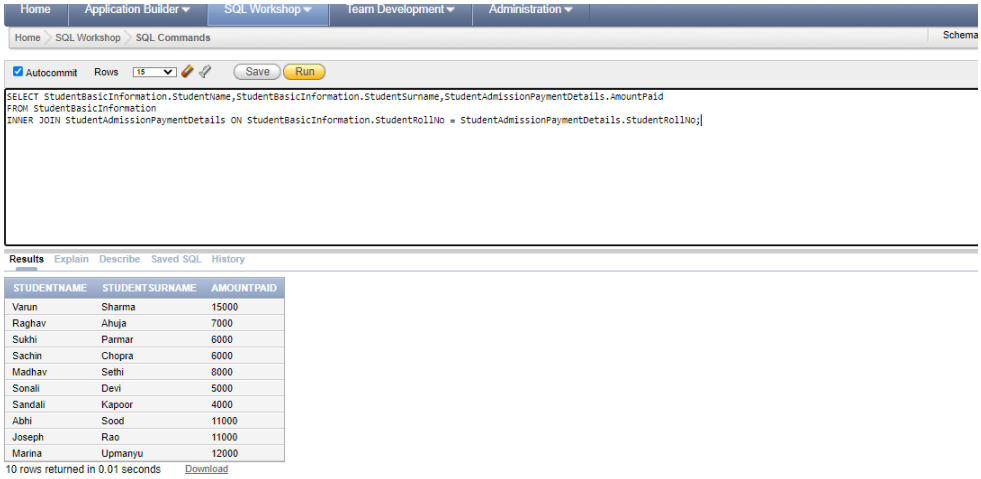
15(2).



STUDENTNAME	STUDENTSURNAME	STUDENTROLLNO	STUDENTADDRESS
Varun	Sharma	1492	Palampur
Raghav	Ahuja	1493	Kangra
Sukhi	Parmar	1495	Delhi
Sachin	Chopra	1497	Pragpur
Madhav	Sethi	1499	Gurugram
Sonali	Devi	1450	Bangalore
Sandali	Kapoor	1498	Bhatinda
Abhi	Sood	1491	Paprola
Joseph	Rao	1429	Rajpura
Marina	Upmanyu	1425	Alhilal

10 rows returned in 0.01 seconds Download

15(3).

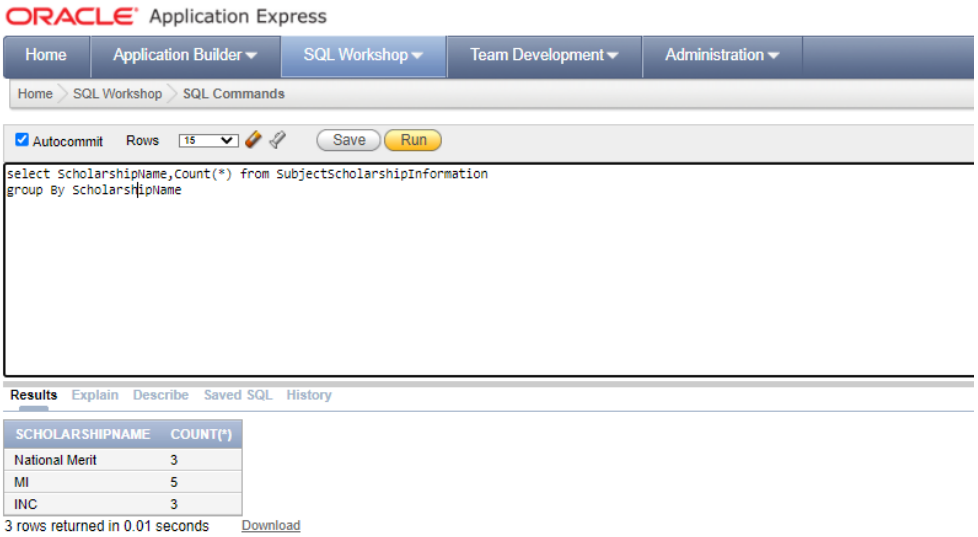


16. The differences between the delete, drop and truncate commands
The DELETE query deletes all records from a table of a database without deleting the table schemas like columns, indexes, etc.
DELETE Syntax:
DELETE FROM table_name WHERE condition;

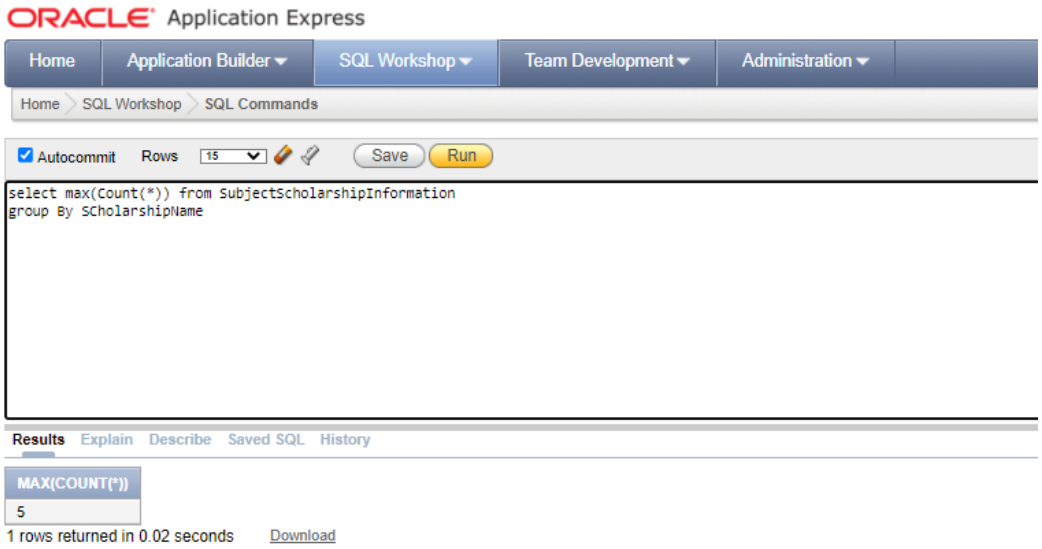
The DROP TABLE statement is used to drop an existing table in a database. DROP TABLE query removes the table definition and all data, indexes, triggers, constraints, and permissions for that table.
DROP Syntax:
DROP TABLE table_name;

The TRUNCATE TABLE the command deletes the data inside a table, but not the table itself. TRUNCATE deletes all the rows of a table at once. It only logs once in the transaction log.
The following SQL truncates the table ‘Categories’:
TRUNCATE TABLE table_name;

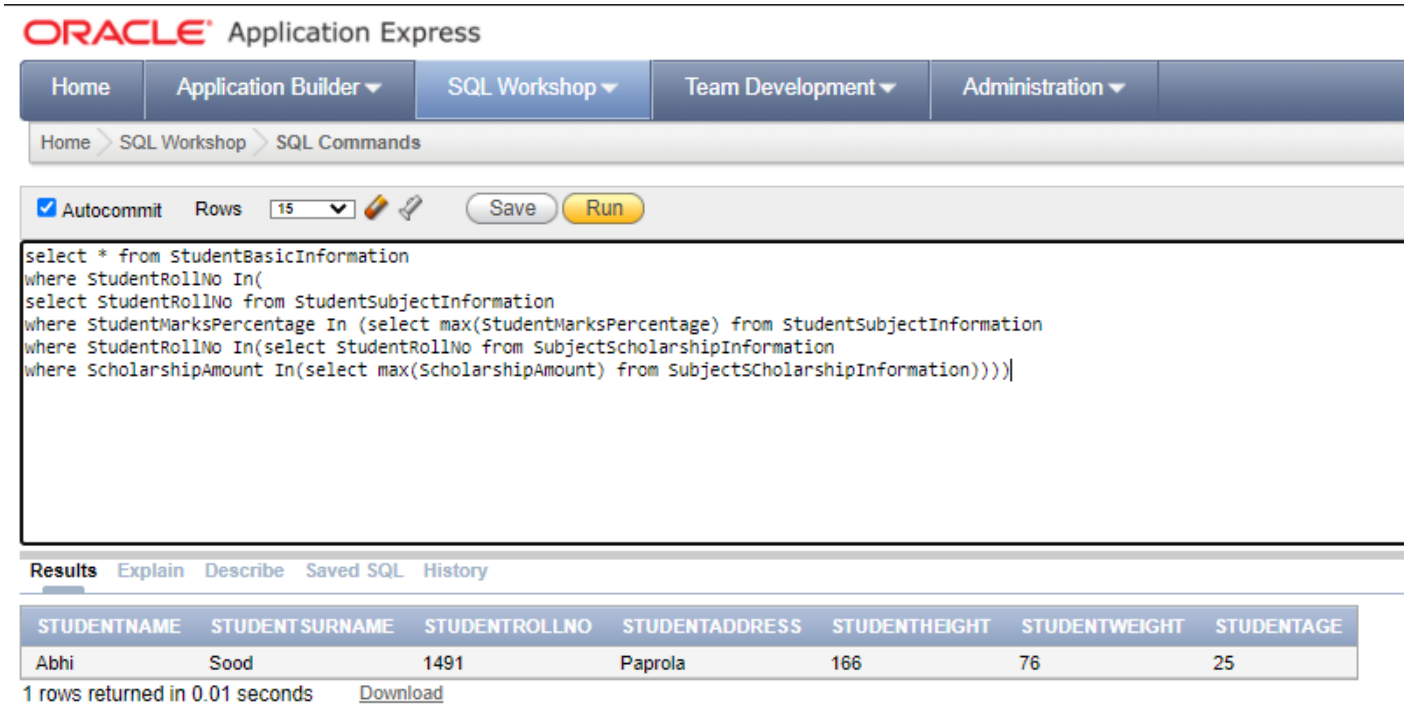
17. The count of the Scholarship category which is highly been availed by the students,



18. To retrieve the maximum used scholarship category



19. The percentage of the students along with students detailed information who has scored the highest percentage along with availing the maximum scholarship amount



20. Difference between the Triggers, Stored Procedures, Views and Functions is

Stored procedures are one of numerous mechanisms of encapsulating database logic in the database.

Triggers are objects generally tied to a table or view that run code based on certain events such as inserting data, before inserting data, updating/deleting data and before these events happen.

Views are one of the greatest things invented since sliced bread. The main beauty of a view is that it can be used like a table in most situations, but unlike a table, it can encapsulate very complex calculations and commonly used joins.

A function is a group of statements that executes upon request