SQL Worksheet

STUDENTNAME	STUDENTSURNAME	STUDENTROLLNO	STUDENTADDRESS	STUDENTGENDER	STUDENTCONTACTNO	STUDENTEMAILID
Chirag	Kohli	1	2A C-Block West Delhi	Male	9999234811	chirag@gmail.com
Smriti	Kumar	2	2K D-Block West Delhi	Female	9999234812	smriti@gmail.com
Paras	Malhotra	3	8 C-Block North West Delhi	Male	9999234809	paras@gmail.com
Dev	Mittal	4	G-1 , Vardhaman royal plaza	Male	9999236776	dev@gmail.com
Karan	Singh	5	G-10 , Vardhaman royal plaza	Male	9999288776	karan@gmail.com
Khush	Kumar	6	G-88 , Vardhaman royal plaza	Male	8899236776	khush@gmail.com
Yugam	Mittal	7	I-9 , Krishna royal plaza	Male	9999236776	yugam@gmail.com
Archit	Monga	8	G-099 , royal plaza	Male	9009288776	archit@gmail.com
Hitesh	Singh	9	411 , Parmanad royal plaza	Male	6699236776	hitesh@gmail.com
Anu	Rathore	10	I-11 , Mehak royal plaza	Male	9899236776	anu@gmail.com

Download CSV
10 rows selected.

Ques 3.1.

```
select * from StudentAdmissionPaymentDetails
```

STUDENTROLLNO	AMOUNTPAID	AMOUNTBALANCE	MODEOFPAYMENT	NAMEOFCURRENCY	TRIPCHARGES	BANKNAME
1	80000	0	ONLINE	INR	10000	Axis Bank
2	80000	0	ONLINE	INR	10000	HDFC Bank
3	80000	10000	ONLINE	INR	8000	HDFC Bank
4	50000	30000	ONLINE	INR	10000	ICIC Bank
5	80000	0	ONLINE	INR	10000	Axis Bank
6	60000	20000	ONLINE	INR	9000	HDFC Bank
7	90000	0	Cash	INR	10000	NIL
8	45000	5000	ONLINE	INR	5000	HDFC Bank
9	80000	0	ONLINE	INR	10000	KOTAK Bank
10	90000	0	ONLINE	INR	8000	Axis Bank

Download CSV

10 rows selected.

Ques 3.2.

```
select * from StudentSubjectInformation
```

SUBJECTOPTED	STUDENTROLLNO	SUBJECTTOTALMARKS	SUBJECTOBTAINEDMARKS	STUDENTMARKSPERCENTAGE	STUDENTGRADE
Chemistry	1	100	82	82%	A
Accountancy	2	100	70	70%	B+
Economics	3	100	85	85%	A
Maths	4	100	67	67%	B
English	5	100	89	89%	A
French	6	100	87	87%	A
PhysicalEdu	7	100	65	65%	B
Literature	8	100	99	99%	O
Art	9	100	80	80%	B
German	10	100	95	95%	O

Download CSV
10 rows selected.

Ques 3.3.

```
select * from SubjectScholarshipInformation
```

STUDENTROLLNO	SCHOLARSHIPNAME	SCHOLARSHIPDESCRIPTION	SCHOLARSHIPAMOUNT	SCHOLARSHIPCATEGORY	VALIDITYOFSCHOLARSHIP	COURSENAME
1	PRE-MATIC	DEOPWD, Government of India	6000	Disability	AUG-DEC	Chemistry
2	POST-MATIC	KSBK, Government of India	8000	Academics	JAN-MAY	Accountancy
3	POST-MATIC	DEOPWD, Government of India	9000	Disability	JAN-MAY	Economics
4	PRE-MATIC	DEOPWD, Government of India	6500	Disability	AUG-DEC	Maths
5	PTFJD	OKHG, Government of India	7600	Disability	AUG-DEC	English
7	UTRCB	PLJG, Government of India	6000	Academics	NOV-DEC	PhysicalEdu
8	PYBMI	DEOPWD, Government of India	6000	Academics	NOV-DEC	Literature
10	OIGVN	HJKFK	6000	Disability	AUG-DEC	German
6	OYDBV	Ministry of Human Resource Development	6000	Disability	AUG-DEC	French
9	OYFBJ	Ministry of Human Resource Development	6000	Disability	AUG-DEC	Art

Download CSV
10 rows selected.

Ques 3.4.

```
1  SELECT * FROM StudentBasicInformation
2  |
3
```

STUDENTNAME	STUDENTSURNAME	STUDENTROLLNO	STUDENTADDRESS	STUDENTGENDER	STUDENTCONTACTNO	STUDENTEMAILID
Chirag	Kohli	1	2A C-Block West Delhi	Male	9999234811	chirag@gmail.com
Smriti	Kumar	2	2K D-Block West Delhi	Female	9999234812	smriti@gmail.com
Paras	Malhotra	3	8 C-Block North West Delhi	Male	9999234809	paras@gmail.com
Dev	Mittal	4	G-1 , Vardhaman royal plaza	Male	9999236776	dev@gmail.com
Karan	Singh	5	G-10 , Vardhaman royal plaza	Male	9999288776	karan@gmail.com
Khush	Kumar	6	G-88 , Vardhaman royal plaza	Male	8899236776	khush@gmail.com
Yugam	Mittal	7	I-9 , Krishna royal plaza	Male	9999236776	yugam@gmail.com
Archit	Monga	8	G-099 , royal plaza	Male	9009288776	archit@gmail.com
Hitesh	Chopra	9	411 , Parmanad royal plaza	Male	6699236776	hitesh@gmail.com
Anu	Rathore	10	I-11 , Mehak royal plaza	Male	9899236776	anu@gmail.com

Download CSV
10 rows selected.

Ques 5.1.

```
1  select * from StudentAdmissionPaymentDetails;
2  SET StudentRollNo=999
3  WHERE Modeofpayment='Cash';
4
```

STUDENTROLLNO	AMOUNTPAID	AMOUNTBALANCE	MODEOFPAYMENT	NAMEOFCURRENCY	TRIPCHARGES	BANKNAME
1	80000	0	ONLINE	INR	10000	Axis Bank
2	80000	0	ONLINE	INR	10000	HDFC Bank
3	80000	10000	ONLINE	INR	8000	HDFC Bank
4	50000	30000	ONLINE	INR	10000	ICIC Bank
5	80000	0	ONLINE	INR	10000	Axis Bank
6	60000	20000	ONLINE	INR	9000	HDFC Bank
999	90000	0	Cash	INR	10000	NIL
8	45000	5000	ONLINE	INR	5000	HDFC Bank
9	80000	0	ONLINE	INR	10000	KOTAK Bank
10	90000	0	ONLINE	INR	8000	Axis Bank

Download CSV
10 rows selected.

Unsupported Command

Ques 5.2.

⊘ Clear   ✎ Find   Actions ˅   💾 Save   Run ▶

```
1  select * from  StudentSubjectInformation;
2  SET SubjectObtainedMarks=50,StudentMarksPercentage='50%'
3  WHERE subjectopted='Art';
4
```

SUBJECTOPTED	STUDENTROLLNO	SUBJECTTOTALMARKS	SUBJECTOBTAINEDMARKS	STUDENTMARKSPERCENTAGE	STUDENTGRADE
Chemistry	1	100	82	82%	A
Accountancy	2	100	70	70%	B+
Economics	3	100	85	85%	A
Maths	4	100	67	67%	B
English	5	100	89	89%	A
French	6	100	87	87%	A
PhysicalEdu	7	100	65	65%	B
Literature	8	100	99	99%	0
Art	9	100	50	50%	B
German	10	100	95	95%	0

Download CSV
10 rows selected.

Ques 5.3.

SQL Worksheet

```
1  select * from  SubjectScholarshipInformation;
2  SET ScholarshipName='AAAA'
3  WHERE StudentRollNo=1;
4
```

STUDENTROLLNO	SCHOLARSHIPNAME	SCHOLARSHIPDESCRIPTION	SCHOLARSHIPAMOUNT	SCHOLARSHIPCATEGORY	VALIDITYOFSCHOLARSHIP	COURSENAME
1	AAAA	DEOPWD, Government of India	6000	Disability	AUG-DEC	Chemistry
2	POST-MATIC	KSBK, Government of India	8000	Academics	JAN-MAY	Accountancy
3	POST-MATIC	DEOPWD, Government of India	9000	Disability	JAN-MAY	Economics
4	PRE-MATIC	DEOPWD, Government of India	6500	Disability	AUG-DEC	Maths
5	PTFJD	OKHG, Government of India	7600	Disability	AUG-DEC	English
7	UTRCB	PLJG, Government of India	6000	Academics	NOV-DEC	PhysicalEdu
8	PYBMI	DEOPWD, Government of India	6000	Academics	NOV-DEC	Literature
10	OIGVN	HJKFK	6000	Disability	AUG-DEC	German
6	OYDBV	Ministry of Human Resource Development	6000	Disability	AUG-DEC	French
9	OYFBJ	Ministry of Human Resource Development	6000	Disability	AUG-DEC	Art

Download CSV
10 rows selected.

Ques5.4.

SQL Worksheet
◇ Clear ⚲ Find Actions ⌄ 🖫 Save Run ▶

```
1  Select * from subjectscholarshipinformation where ScholarshipAmount > 5000
```

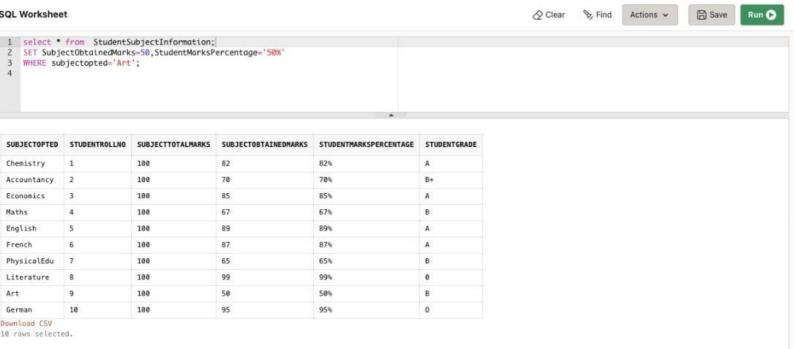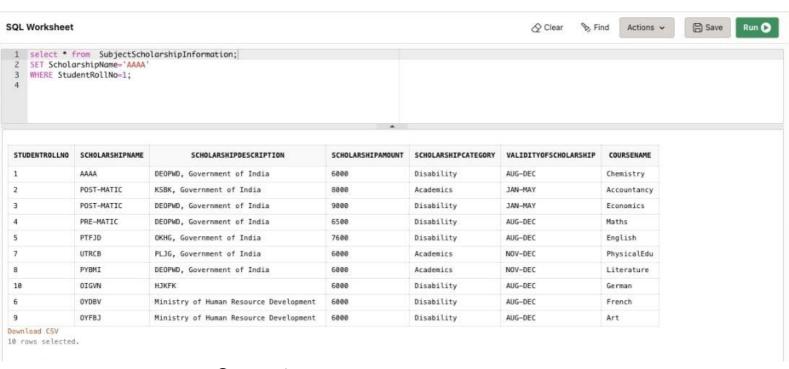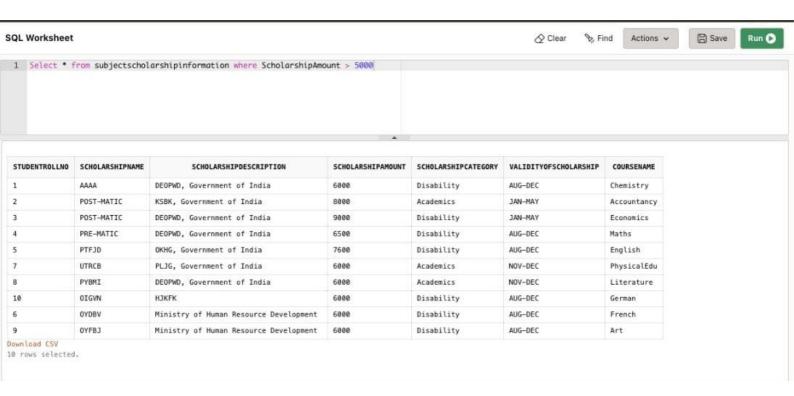| STUDENTROLLNO	SCHOLARSHIPNAME	SCHOLARSHIPDESCRIPTION	SCHOLARSHIPAMOUNT	SCHOLARSHIPCATEGORY	VALIDITYOFSCHOLARSHIP	COURSENAME
1	AAAA	DEOPWD, Government of India	6000	Disability	AUG-DEC	Chemistry
2	POST-MATIC	KSBK, Government of India	8000	Academics	JAN-MAY	Accountancy
3	POST-MATIC	DEOPWD, Government of India	9000	Disability	JAN-MAY	Economics
4	PRE-MATIC	DEOPWD, Government of India	6500	Disability	AUG-DEC	Maths
5	PTFJD	OKHG, Government of India	7600	Disability	AUG-DEC	English
7	UTRCB	PLJG, Government of India	6000	Academics	NOV-DEC	PhysicalEdu
8	PYBMI	DEOPWD, Government of India	6000	Academics	NOV-DEC	Literature
10	OIGVN	HJKFK	6000	Disability	AUG-DEC	German
6	OYDBV	Ministry of Human Resource Development	6000	Disability	AUG-DEC	French
9	OYFBJ	Ministry of Human Resource Development	6000	Disability	AUG-DEC	Art

Download CSV
10 rows selected.

Ques 7.

SQL Worksheet

```
1  select * from StudentBasicInformation
2  where StudentRollNo NOT IN ( select StudentRollNo from SubjectScholarshipInformation)
```

no data found

Ques 8.

```
1  create or replace procedure "PercentageProcedure"
2  (RollNo IN NUMBER, percentage in integer)
3  is
4  begin
5  update StudentSubjectInformation
6  set StudentMarksPercentage = percentage
7  where StudentRollNo=RollNo
8  end;
```

Ques 9.

```
1   create or replace procedure "scholorshipProcedure"
2   (RollNo in Integer.percentage in integer)
3   is begin
4   if(percentage < 50) then
5   update SubjectScholarshipInformation
6   set ScholarshipName= 'abc '
7   where StudentRollNo=RollNo;
8
9   else if(percentage<80 and percentage>=50) then
10  update SubjectSchol arshipInformation
11  set ScholarshipName='def '
12  where StudentRollNo=RollNo;
13
14  else if(percentage>=80 ) then
15  update SubjectSchol arshipInformation
16  set ScholarshipName='ghi '
17  where StudentRollNo=RollNo;
18
19  end if;
```

Ques 10.

```
1  create view amountToBePaid as select
2  StudentBasicInformation.StudentRollNo,StudentBasicInformation.StudentName,StudentBasicInformation.StudentSurname,StudentBasicInformation.StudentGender,
3  StudentBasicInformation.StudentEmailId,StudentAdmissionPaymentDetails.AmountBalance|
4  from StudentBasicInformation,StudentAdmissionPaymentDetails
```

Ques 11.

```sql
1  select * from StudentBasicInformation
2  where StudentRollNo in (select StudentRollNo from SubjectScholarshipInformation where ScholarshipDescription='nil')
```

Ques 12.

```
1  create or replace procedure "Amount"
2  (RollNo in number,toPay out integer)
3  is begin
4  select AmountBalance from StudentAdmissionPaymentDetails
5  where StudentRollNo= RollNo;
6  end;
```

Ques 13.

SUBJECTOPTED	STUDENTROLLNO	SUBJECTTOTALMARKS	SUBJECTOBTAINEDMARKS	STUDENTMARKSPERCENTAGE	STUDENTGRADE
Economics	3	100	85	85%	A
English	5	100	89	89%	A
French	6	100	87	87%	A
Literature	8	100	99	99%	0
German	10	100	95	95%	O

Ques 14.

SQL Worksheet ⬦ Clear ✎ Find Actions ⌄ 💾 Save Run ▶

```
1  select StudentBasicInformation.StudentName,StudentBasicInformation.StudentSurname,StudentAdmissionPaymentDetails.AmountPaid from StudentBasicInformation
2  inner join StudentAdmissionPaymentDetails on StudentBasicInformation.StudentRollNo=StudentAdmissionPaymentDetails.StudentRollNo;
```

STUDENTNAME	STUDENTSURNAME	AMOUNTPAID
Chirag	Kohli	80000
Smriti	Kumar	80000
Paras	Malhotra	80000
Dev	Mittal	50000
Karan	Singh	80000
Khush	Kumar	60000
Archit	Monga	45000
Hitesh	Chopra	80000
Anu	Rathore	90000

Ques 15.1.

SQL Worksheet

◇ Clear ✎ Find Actions ⌄ 💾 Save Run ▶

```sql
1  select StudentBasicInformation.StudentAddress,StudentBasicInformation.StudentSurname,StudentAdmissionPaymentDetails.StudentRollNo from StudentBasicInformation
2  left join StudentAdmissionPaymentDetails on StudentBasicInformation.StudentRollNo=StudentAdmissionPaymentDetails.StudentRollNo;
```

STUDENTADDRESS	STUDENTSURNAME	STUDENTROLLNO
2A C-Block West Delhi	Kohli	1
2K D-Block West Delhi	Kumar	2
8 C-Block North West Delhi	Malhotra	3
G-1 , Vardhaman royal plaza	Mittal	4
G-10 , Vardhaman royal plaza	Singh	5
G-88 , Vardhaman royal plaza	Kumar	6
G-099 , royal plaza	Monga	8
411 , Parmanad royal plaza	Chopra	9
I-11 , Mehak royal plaza	Rathore	10

Ques 15.2.

SQL Worksheet   ◇ Clear   ⚲ Find   [Actions ∨]   [🖫 Save]   [Run ⏵]

```
1  select StudentBasicInformation.StudentRollNo,StudentBasicInformation.StudentName,StudentBasicInformation.StudentSurname,StudentBasicInformation.StudentEmailId from
2  right join StudentAdmissionPaymentDetails on StudentBasicInformation.StudentRollNo=StudentAdmissionPaymentDetails.StudentRollNo;
```

STUDENTROLLNO	STUDENTNAME	STUDENTSURNAME	STUDENTEMAILID
1	Chirag	Kohli	chirag@gmail.com
2	Smriti	Kumar	smriti@gmail.com
3	Paras	Malhotra	paras@gmail.com
4	Dev	Mittal	dev@gmail.com
5	Karan	Singh	karan@gmail.com
6	Khush	Kumar	khush@gmail.com
8	Archit	Monga	archit@gmail.com
9	Hitesh	Chopra	hitesh@gmail.com
10	Anu	Rathore	anu@gmail.com

Ques 15.3.

```
Delete Command- This is used to delete existing records in the table.

Drop Command- A drop statement in SQL removes a component from a relational database management system.

Truncate Command- It removes all rows from table, but the table structure and components, indexes, and so on remain.
```

Ques 16.

SQL Worksheet   ⬦ Clear   ✎ Find   Actions ⌄   💾 Save   Run ▶

```
1  select ScholarshipName,Count(*) from SubjectScholarshipInformation
2  group by ScholarshipName
```

SCHOLARSHIPNAME	COUNT(*)
AAAA	1
POST-MATIC	2
OYFBJ	1
UTRCB	1
PYBMI	1
OIGVN	1
OYDBV	1
PRE-MATIC	1
PTFJD	1

Ques 17.

```
1  select max(Count(*)) from SubjectScholarshipInformation
2  group by ScholarshipName
```

MAX(COUNT(*))
2

Download CSV

Ques 18.

```
1  select * from StudentBasicInformation
2  where StudentRollNo in
3  (
4      select StudentRollNo from StudentBasicInformation
5      where StudentMarksPercentage in (select max(StudentMarksPercentage) from StudentSubjectInformation
6      where StudentRollNo in (select StudentRollNo from SubjectScholarshipInformation
7      where ScholarshipAmount in (select max(ScholarshipAmount) from SubjectScholarshipInformation))))
```

Ques 19.

Trigger– A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server. DML triggers run when a user tries to modify data through a data manipulation language (DML) event. DML events are INSERT, UPDATE, or DELETE statements on a table or view.

Stored Procedures– A stored procedure is a prepared SQL code that you can save, so the code can be reused over and over again.

Views– A view contains rows and columns, just like a real table. The fields in a view are fields from one or more real tables in the database.

Functions– A function is a set of SQL statements that perform a specific task.

Ques 20.