

ASSIGNMENT 6
Submitted By – Somyadeep Shrivastava
Reg No. - 17BCS28

EXERCISES

1) SELECT * FROM Admin, Teacher WHERE Teacher.Name REGEXP 's';

	ID	Name	Email	Teacher_ID	Gender	Phone	Name	Salary
1	0			901	M	12456	som	4200
2	102	som	som@gmail.com	901	M	12456	som	4200
3	103	ram	ram@gmail.com	901	M	12456	som	4200
4	104	shyam	shyam@gmail.com	901	M	12456	som	4200
5	105	anil	anil@yahoo.com	901	M	12456	som	4200
6	106	vijay	vijay@gmail.com	901	M	12456	som	4200

2) SELECT * FROM Admin WHERE Name REGEXP '^[sa]';

	ID	Name	Email
1	102	som	som@gmail.com
2	104	shyam	shyam@gmail.com
3	105	anil	anil@yahoo.com

3) SELECT * FROM Admin WHERE Name REGEXP '^[^sa]';

	ID	Name	Email
1	103	ram	ram@gmail.com
2	106	vijay	vijay@gmail.com

4) SELECT * FROM Admin WHERE Name REGEXP 'so*';

	ID	Name	Email
1	102	som	som@gmail.com
2	104	shyam	shyam@gmail.com

5) **SELECT * FROM Admin WHERE Name REGEXP 'so+';**

	ID	Name	Email
1	102	som	som@gmail.com
2	104	shyam	shyam@gmail.com

6) **SELECT * FROM Admin WHERE Name REGEXP 'so?';**

	ID	Name	Email
1	102	som	som@gmail.com
2	104	shyam	shyam@gmail.com

7) **SELECT * FROM Class WHERE Class_ID REGEXP '2';**

	Class_ID	Name
1	202	First-B
2	203	Second-A
3	204	Fifth-B
4	205	Sixthy-A

8) **SELECT * FROM Class WHERE Name REGEXP '[A-Z]';**

	Class_ID	Name
1	202	First-B
2	203	Second-A
3	204	Fifth-B
4	205	Sixthy-A

9) **SELECT * FROM Class WHERE Class_ID REGEXP '[0-9]';**

	Class_ID	Name
1	202	First-B
2	203	Second-A
3	204	Fifth-B
4	205	Sixthy-A

10) **SELECT * FROM Class WHERE Class_ID REGEXP '^[Fi]^[S]';**

	Class_ID	Name
1	202	First-B
2	203	Second-A
3	204	Fifth-B
4	205	Sixthy-A

11) **SELECT * FROM Class WHERE Class_ID REGEXP '[:,<:]Fi';**

	Class_ID	Name
1	202	First-B
2	204	Fifth-B

12) **SELECT * FROM Class WHERE Class_ID REGEXP '[:alpha:]';**

	Class_ID	Name
1	204	Fifth-B
2	205	Sixthy-A

REFERENCES

Topic - School Website

Schema and Table View:

Table 1 - Student

- **Student**(

Student_ID: *INTEGER ,PRIMARY KEY ,AUTO INCREMENT ,NOT NULL*

DOB: *DATE,NOT NULL*

Gender: *CHAR(10),NOT NULL*

Phone: *INTEGER, NOT NULL*

Name: *VARCHAR(45),NOT NULL*

)

	Student_ID	DOB	Gender	Phone	Name
	Filter	Filter	Filter	Filter	Filter
1	801	15/11/1999	M	6756565657	Sam
2	802	16/12/1999	M	4567890321	Wan

Table 2 - Admin

- **Admin**(

ID: *INTEGER, PRIMARY KEY , AUTO INCREMENT, NOT NULL;*

NAME : VARCHAR(45) ,NOT NULL ;

Email : VARCHAR(45),NOT NULL

)

	ID	Name	Email
	Filter	Filter	Filter
1	0		
2	102	som	som@gmail...
3	103	ram	ram@gmail....
4	104	shyam	shyam@gm...
5	105	anil	anil@yahoo...
6	106	vijay	vijay@gmail...

Table 3 – Teacher

Teacher (

Teacher_ID : INTEGER,PRIMARY KEY,AUTO INCREMENT,NOT NULL ;

Gender: CHAR(10),NOT NULL;

Phone: INTEGER, NOT NULL

Name: VARCHAR(45),NOT NULL

Salary : INTEGER , NOT NULL

)

	Teacher_ID	Gender	Phone	Name	Salary
	Filter	Filter	Filter	Filter	Filter
1	901	M	12456	som	4200
2	902	F	1234568790	Kavita	45000

Table 4 – Fees

Fees(

Student_ID: *INTEGER, FOREIGN KEY , NOT NULL*

Fee_ID : *INTEGER, PRIMARY KEY , AUTO INCREMENT, NOT NULL*

Fee_Type : *VARCHAR(20) NOT NULL*

Amount : *INTEGER,NOT NULL*

)

Table: Fees_				
	Student_ID	Fee_Type	Amount	Fee_ID
	Filter	Filter	Filter	Filter
1	101	Admission	34546	301
2	891	Insurance	1000	302

Table 5 - Subject

Subject (

Subject_ID: *INTEGER, PRIMARY KEY , AUTO INCREMENT, NOT NULL*

Name : *VARCHAR(20) NOT NULL*

Class_ID : *INTEGER,FOREIGN KEY,AUTO INCREMENT,NOT NULL*

	Subject_ID	Name	Class_ID
	Filter	Filter	Filter
1	401	Maths	201
2	402	Science	202

Table 6 – Class

Class(

Student_ID: *INTEGER, FOREIGN KEY , AUTO INCREEMENT, NOT NULL*

Name : *VARCHAR(20) NOT NULL*

)

	Class_ID	Name
	Filter	Filter
1	0	
2	202	First-B
3	203	Second-A
4	204	Fifth-B
5	205	Sixthy-A

Table 7 – Marks

Marks(

Marks_ID: *INTEGER,PRIMARY KEY,AUTO INCREEMENT,NOT NULL*

Score: *INTEGER, NOT NULL*

Subject: *VARCHAR(45),NOT NULL*

Student_ID:*VARCHAR(45),NOT NULL*

Teacher_ID :*Name: VARCHAR(45),NOT NULL)*

	Mark_ID	Score	Subject	Student_ID	Teacher_ID
	Filter	Filter	Filter	Filter	Filter
1	501	45	maths	809	901
2	502	21	science	806	905