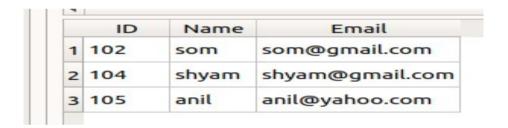
# ASSIGNMENT 6 Submitted By – Somyadeep Shrivastava Reg No. - 17BCS28

#### **EXERCISES**

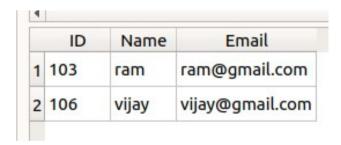
## 1) SELECT \* FROM Admin, Teacher WHERE Teacher.Name REGEXP 's';

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

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



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



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



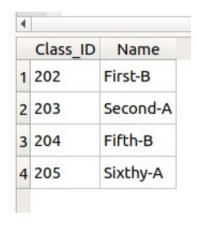
## 5) SELECT \* FROM Admin WHERE Name REGEXP 'so+';

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

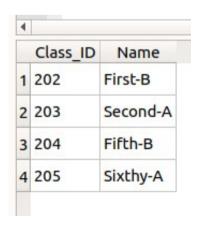
# 6) SELECT \* FROM Admin WHERE Name REGEXP 'so?';



# 7) SELECT \* FROM Class WHERE Class\_ID REGEXP '2';



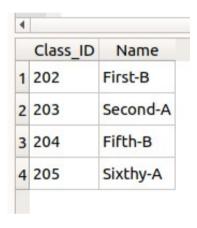
# 8) SELECT \* FROM Class WHERE Name REGEXP '[A-Z]';



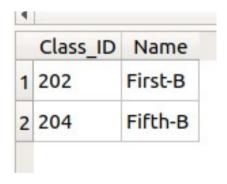
# 9) SELECT \* FROM Class WHERE Class\_ID REGEXP '[0-9]';

	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]';



# 11) SELECT \* FROM Class WHERE Class\_ID REGEXP '[[:<:]]Fi';



# 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 INCREEMENT ,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	М	6756565657	Sam
2	802	16/12/1999	М	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 INCREEMENT,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 INCREEMENT, NOT

**NULL** 

Fee\_Type: VARCHAR(20) NOT NULL

Amount: INTEGER, NOT NULL

)

	Student_ID	Fee_Type	Amount	Fee_ID
	Filter	Filter	Filter	Filter
L	101	Admission	34546	301
2	891	Insurance	1000	302

**Table 5 - Subject** 

# Subject (

Subject\_ID: INTEGER, PRIMARY KEY, AUTO INCREEMENT, NOT NULL

Name: VARCHAR(20) NOT NULL

Class\_ID: INTEGER, FOREIGN KEY, AUTO INCREEMENT, 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