A project report on

College Fest Database

(Semester I of IV)

Master of Science in Information Technology(MScIT)

IT615

Group ID-6(202212024) Date of submission:28-11-2022

Submitted by:

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Submitted to:

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Under the guidance of:

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TA: Maulik Sarvaiya sir

Acknowledgement

I would like to thank Dhirubhai Ambani Institute of Information and Communication Technology for giving me a chance to gain the experience of the Project. The presentation of this report gives me the feeling of fulfillment. With immense pleasure I would like to present this report of the College Fest database.

I sincerely thank Minal Bhise ma'am for giving me great help to undergo training who is always looking to provide great to students in any case to motivate us to do something extraordinary.

I thank them(ma'am and TA) for providing basic knowledge of the College fest database and helping to get an understanding of the project. Also for lending technical help whenever I got stuck with the problems I gained experience and knowledge working under their guidance.

I am also thankful to Ramesh Prajapati sir(Dy. Laboratory Superintendent) for helping us for providing all the resources and data we required. Finally, I thank all who help us directly or indirectly in our project.

Again Thanks to,
Minal Bhise Ma'am(Faculty)
Maulik Sarvaiya(Teaching Assistant)
Ramesh Prajapati sir(Dy. Laboratory Superintendent)

From,
Laxminarayan Vyas(202212024)

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1. SRS(Software Requirement Specification)

1.1 Introduction

A college fest is an annual cultural event held at a college or university which is organized by the student community, involving participants from other colleges as well. Professional performing artists are also typically invited, and a number of competitions are held for students. Fests are usually funded through sponsors, although some colleges have begun exploring the idea of crowdfunding.

Preparations for a college fest starts many weeks before the actual event, and is done fully by the students of the university or college. Extracurricular activities involved in such fests help entertain the students aside from the studies. It also helps the student by developing their management skills, and marketing and interpersonal skills from activities such as finding sponsors. Students also get a chance to show their talents and skills in front of an audience.

There are many events in a college fest. Typically, these will be divided into categories like

- Literary Events

  These include events like quizzes, crossword puzzles, debate, extempore etc.

- Cultural Events

  These are one of the most popular events that include competitions on cooking, art, music, dance and dramas.

- Sports and Games

  Many sports tournaments are also held in a college fest. Board games and Video games are also some popular events in a college fest.

Aside from the events, there are also many food and beverage stalls.

During the college fest, reviews and feedback are also taken from the audience and the participants, to know any inconveniences caused in the fest.

There will be a lot of data about the fest including the event details, participants details, winners and prizes of the respective events, accounting of the money spent and gained in these events, and feedback from the audience and the participants. This data must be handled by a reliable and easy to use database, which can be used to access and edit data seamlessly whenever required.

The main goal of the college fest database is to

- Store all the details of the Events in the festival.

  Details will include information like venue, participants, winners, prizes, audience details (optional), etc.
- Store all the team, participants and winner details of an event.
- Admins must be able to edit all the details seamlessly.

The College fest database includes the details about winners and prizes. College fest is an integral part of not only student's life but also of the reputation of college.

So the fest needs to be up to mark.

What makes a fest successful are the events held. You should keep in mind that fest should have at least one event for all kinds of people.

It leads directly to the Questionnaire also. We can get to know what they want.

College fest is not only limited to colleges, it invites students from other colleges so it needs to keep records for all participant's parameters.

The college fest database will have separate details about prizes and winners. It will be connected to the main entity (i.e, college fest).

To register for college fest or event students will fill in details in the registration form. Many college events occur between different teams of students. So most registration forms may ask students to fill details of other students or other team members. The form may require student ID, name, course, duration, gender. Only one student or team member can register their team into the college fest. If one of the group members fills in the details of another team member then any remaining member of the group can not register again by authentication.

About team details, one table also can be separated. When a user registers in DB that time detail is also inserted in the team table.

If one team won any event then entry in the respective table imputed simultaneously.

1.2 Requirement collection phase:

It is all about obtaining information from stakeholders. In other words, once the business analysis has communicated with stakeholders to understand their requirements, it can be described as elicitation. It can also be described as a requirement gathering.

Requirement collection words come from the Analysis part of system- What the problem is about and what system must do?

Analysis emphasizes an investigation of the problem rather than

finding a solution.

Information Gathering

Specification: modeling requirements & constraints

For requirement collection create “about the problem given” from differentiation by objects or entities and knowing about subjects or terms used in the problem domain.

If correct requirement understanding, capturing, implementation, and testing take part, it can help to mitigate the erroneous and incomplete product delivery to the customer/end-user.

So, the requirement collection phase and understanding the end user requirement is an important phase in SDLC.

Requirement analysis starts with:

1. **Requirement gathering**
2. **Analyzing** the collected requirements to understand the correctness and feasibility of converting these requirements into a possible product.
3. And finally, **documenting** the requirements collected

To make sure that all the steps mentioned above are appropriately executed, clear, concise, and correct requirements must be gathered from the user. The user should be able to define their requirements properly and the business analyst should be able to collect them in the same way the users intend it to convey them.

Many a time it is not possible that requirement gathering is done efficiently by business analysts from the user. This might be due to dependency on many people related to the expected end product, tools, environment, etc. Thus, it is always a good idea to involve all the stakeholders(Students, volunteers, organizers) who could influence or could be influenced by the end product.

In our case we assume no product exists so new products can be developed.

Understanding the requirements includes understanding the domain processes & the role of the external entities

- Functionalities/Use Cases: Textual narrative descriptions of the processes in an enterprise or system
- Students register in any fest activity, details of the same inserted in the student table with and in a common table to map relationships between those.

1.3 Input and output of requirement collection phases:

1.3.1 Background reading

Background reading gives a summary about existing systems or it can help to make a new system by analyzing the problem.

In our case we assume no product exists so new products can be developed.

1.3.2 Interviewing

Input of interviewing process is pass the agenda which have rules as below:

Basic Rules:

1. The overall purpose of performing the interviews should be clear.
2. Identify the interviewees in advance.
3. Interview goals should be communicated to the interviewee.
4. Interview questions should be prepared before the interview.
5. The location of the interview should be predefined.
6. The time limit should be described.
7. The interviewer should organize the information and confirm the results with the interviewees as soon as possible after the interview.

Interview Plan

Date: 29/8/2022 **Time :** 14:30

System : *College fest*

Participants: *A volunteer from the management team*

Purpose of Interview:

Preliminary meeting to how they organize event

And to get know problem in existing system (offline/online)

Agenda:

Details about existing system

Registration of student in activities

Prizes/award for winner participants

Details about how the accounting works

Details about team: how many participant can in one team for particular fest

Documents to be brought to the interview:

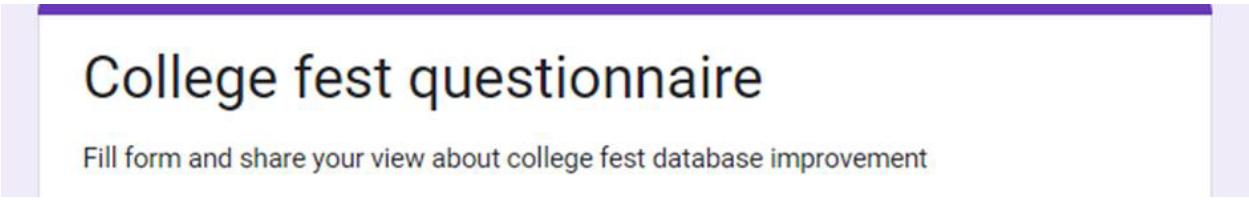
Brochure of previous year organized fest

Output gives a summary of problems and solutions.

1.3.3 Questionnaires

Input

Questionnaires or surveys made up with a variety of questions which can be open ended and close ended. Most surveys are made up with MCQs. Though open ended questions help user or answerer with their descriptive answer in 2-3 lines.



Enter your name:

Your answer

Student ID:

Your answer

Gender

- Male
- Female
- Other:

Course

Your answer

1. Would you like to take part in festivals?

- ○ Yes
- ○ No

2. When should major event be organized?

- ○ Winter
- ○ Monsoon
- ○ Before summer

3. Which type of festival do you like more?

- ☐ Game
- ☐ Dance
- ☐ Competition activities
- ☐ Culture
- ☐ Religious

- [ ] Community
- [ ] Art
- [ ] Other: _____

4. Which event do you like more?

- ◯ Indoor
- ◯ Outdoor

5. What was your experience about last year events?(5 for excellent)

1	2	3	4	5
◯	◯	◯	◯	◯

6. What you did not like in last year festival?(From registration to prize difficulties)

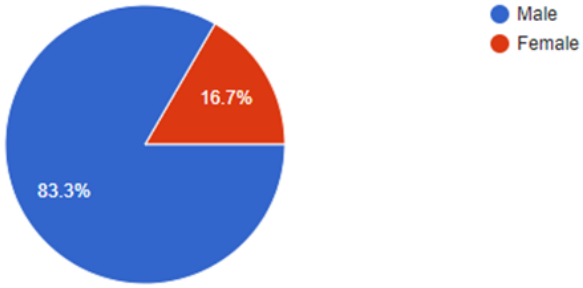
Your answer

Responses:

Gender

Copy

6 responses



Course

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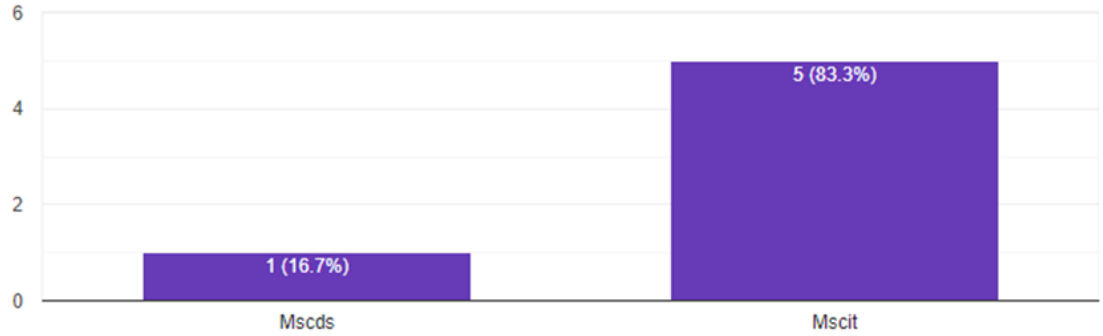
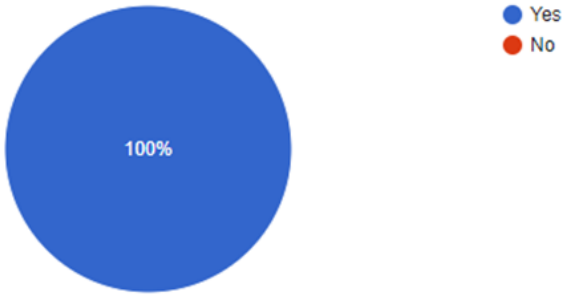


1. Would you like to take part in festivals?

Copy

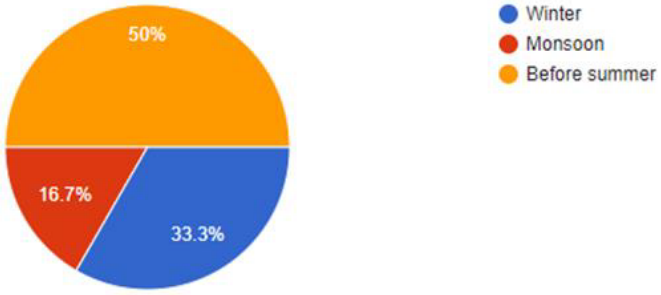
6 responses



2. When should major event be organized?

Copy

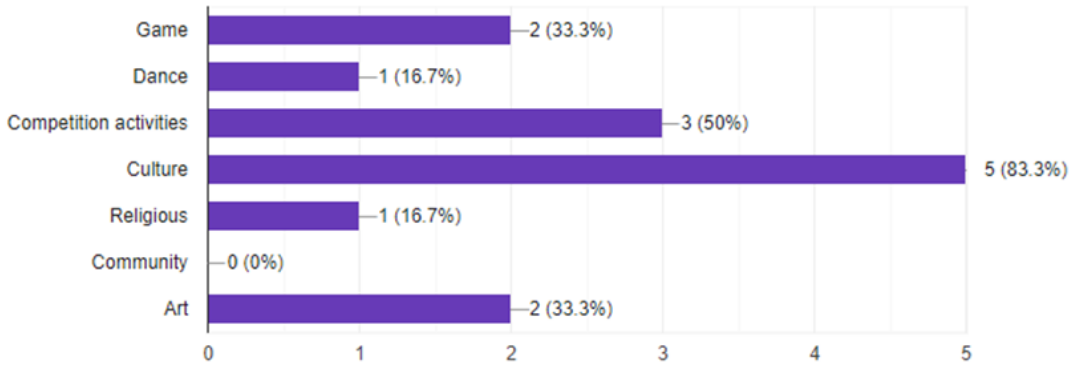
6 responses



3. Which type of festival do you like more?

Copy

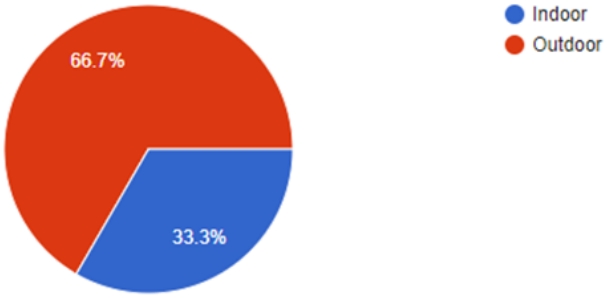
6 responses



4. Which event do you like more?

Copy

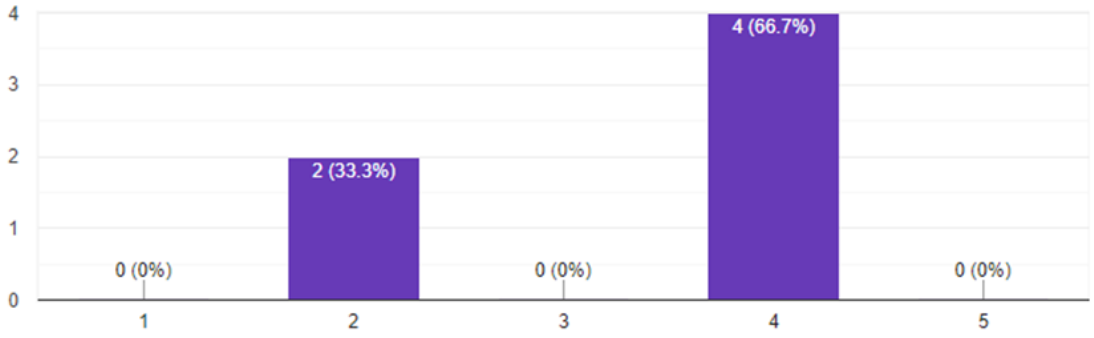
6 responses

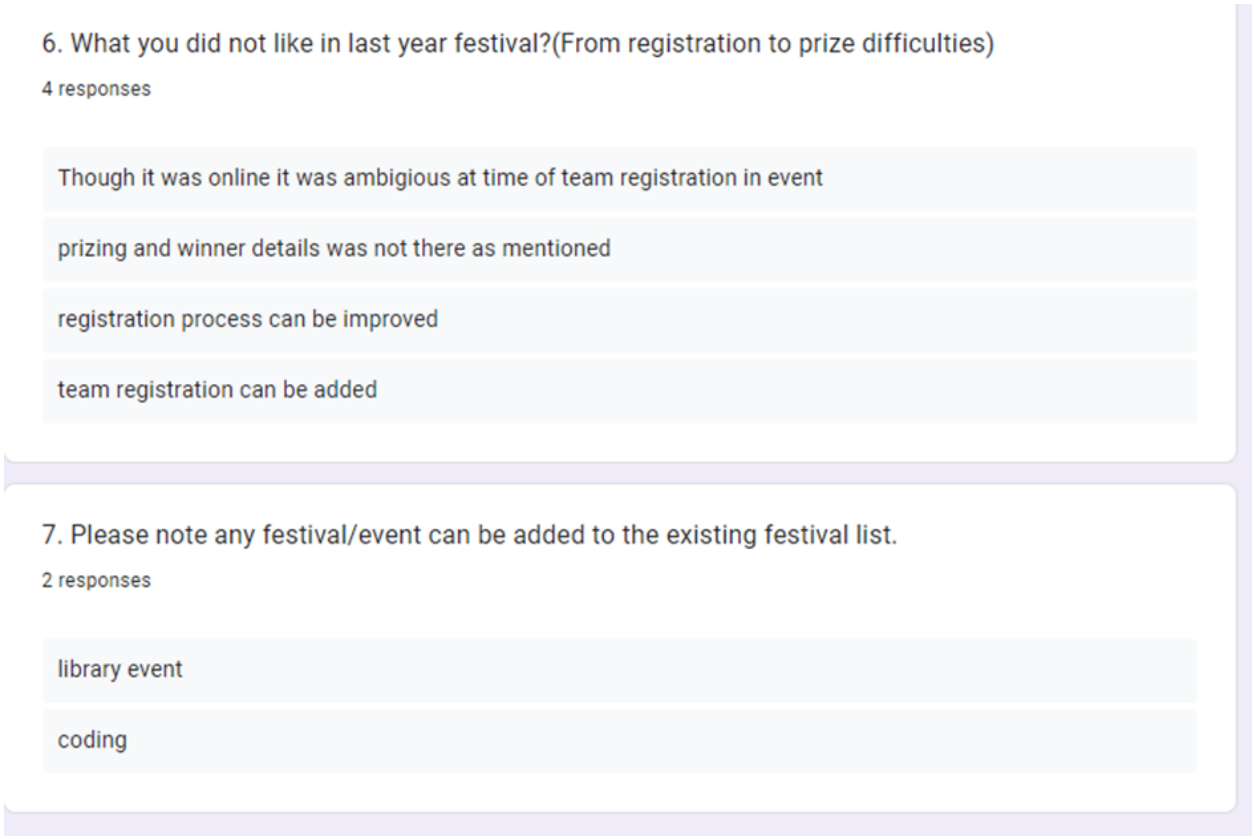


5. What was your experience about last year events?(5 for excellent)

Copy

6 responses





Multiple choice questions have limited answers so it provides a clearer picture of output in statistical reports.

1.3.4 Observation:

Observation is a physical process so **input** of this process can be photo, video, records, notes etc.

Output by observation problem can be decoded or it can be in transcript.

As mentioned we observed that no online system exist fot college fest, only registration form is sent by respective event managers. No record storing database or **quick search technique** in existing process. As we observed there is difficulties to store different course student data because data is large and handling information about group of student and details about winner and prizes.

1.4 Requirements:

- Business rules

What do you want your system to do?

This database includes the detail about college fest of any college.It maps student details to his/her participation in any fest activities. It has separate details about winners and prizes. This system also includes detail about teams formed during the fest.

What are the features you need so you can achieve your goals?

The college event management organizer can add festival/event details in database,

By including detail of student the database can make connection between student entity and fest/event in which student has enrolled. The database will have detail of student who won particular event and his/her rank.

By creating this database admin can easily search and sort data according to their need.

Admin of database can establish relation between databases or tables.

- Transaction corrections, adjustments, and cancellations

The transaction in database will add, delete, modify, canceling, and error checking.

Admin or fest management can add festival detail to existing database of festivals according to user need. Organizer can add student details. Admin can state winner and prize details. It also state relationship between entities and restrict user to form a particular numbered team

If any student or user want to take back his/her name from registration then by transaction with database he/she can delete their detail from database in easy way. Admin of database can delete event detail by collecting required information.

Student or user can modify their detail easily, also can update team member details and number of students. Admin can update fest details(date,venue,time). Updation of prize and team also part of database.

These requirements examine every transaction's entry, changing, deleting, canceling, and error checking.

- Authentication functions

Only college student or user with particular designation can login into database- that authentication can apply to database. The person who want to update any fest details is authenticated can check.

They concern the information users share with the system and their authentication level.

- Authorization levels

As discussed above user who have some designation only can perform their operation by their levels. Example, user of system can not create and delete and update fest details only they can do is read operation. Database will have entities of different levels from user to organizer's admin.

These functions determine various system access levels and decide who can CRUD (change, read, update, or delete) information.

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- Audit tracking

The database can help to track data by easy searching techniques(queries). If any transaction occurring it will have tracking by different constraints on different tables.

Audit tracking is the process of tracking critical data.

- External interfaces

These functions concern the external interface of systems other than the main system.

External interface of this system or database can be exams, weather, and student participation, college rules etc.

- Certification requirements

Your organization might require certifications to work on the system, such as security certifications.

- Searching/reporting requirements

Students get notification when any fest or event arrives so they can search for the event and get registered.

- Historical data

You will have a growth of data if your database is dynamic, so you need to define storage requirements to accommodate these data.

Most of time admin have to take care of storage requirements because it also stores historical data.

- Archiving

Your system's data may grow beyond your storage capacity, so the projects must have the capability to archive the data for long-term storage.

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- Compliance, legal, or regulatory requirements

These are laws, regulations from the government, and even internal policies that the organizations and their systems must follow.

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- Algorithms

Algorithms capture any formulas or manipulations of data elements that need to occur.

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- Database

The elements and formats you should use when defining what data needs storing in a system.

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- Backup and recovery

You will need this function in case your system crashes and wipes out all your data.

1.4.1 Functional Requirements

- Enter Event details

  Venue, Name, Prizes, teams and participants, winners, sponsors (if any), coordinators, etc.

- Enter Participant details

  Name, Degree, Achievements (optional), events, wins, etc.

- Filter participants by events

- Sort events by dates

- Coordinators must be able to edit their events and participant’s details.

- Find winner of all events or the specified events

1.4.2 Non-Functional Requirements

Capacity — What are your system's storage requirements, today and in the future? How will your system scale up for increasing volume demands?

Compatibility — What are the minimum hardware requirements? What operating systems and their versions must be supported?

Reliability and Availability — What is the critical failure time under normal usage? Does a user need access to this all hours of every day?

Maintainability + Manageability—How much time does it take to fix components, and how easily can an administrator manage the system? Under this umbrella, you could also define Recoverability and Serviceability.

Scalability – What are the highest workloads under which the system will still perform as expected?

Usability — How easy is it to use the product? What defines the experience of using the product?

1.5 Fact Finding Chart

Objective	Technique	Subject(s)	Time
To determine the basic opinion of the audience for college fest	Questionnaire	Audience visiting the college fest	5 minutes each
To know how participation in the events is handled	Interview	A volunteer from the management team	0.5 hours
To determine how the existing system works	Interview	A volunteer from the management team	1 hour
To know how the prizes are distributed among the winners and participants	Interview	A volunteer from the management team and previous year winners	0.5 hours
To know how accounting system handles the cash inflow and outflow	Interview	Event Accountant	1 hour

1.6 User categories:

- Admin/Organizer
- Student
- College
- Volunteers

1.7 Privileges:

Privileges simply means **What are "User roles"?**

Table Legend:

AB = College (including Administration)

A = Admin/organizer team

F = Full User/student

VN = Volunteers

Y = Yes

N = No

Features	**User Roles**			
	AB	**A**	**F**	**VN**
Manage Users (Add/Edit/Delete Users)	**Y**	**Y**	**N**	**N**
Customize Accompa (Add/Edit/Delete Fields)	**Y**	**Y**	**N**	**N**
Mass Edit/Delete Requirements	**Y**	**Y**	**N**	**N**
Configure College event Settings	**Y**	**Y**	**N**	**N**
Permission(Venue)	**Y**	**N**	**N**	**N**

User Features				
Add Requirements	**Y**	**Y**	**Y**	**Y****
Add Relationships	**Y**	**Y**	**Y**	**Y****
Add Attachments	**Y**	**Y**	**Y**	**Y****
Add Links	**Y**	**Y**	**Y**	**Y****
Take participation	**Y**	**Y**	**Y**	**N****
View prizes	**Y**	**Y**	**Y**	**Y**
Add team member	**Y**	**N**	**Y**	**N**
Edit/Delete Requirements	**Y**	**Y**	**Y**	**N**
View Requirements	**Y**	**Y**	**Y**	**Y**
Search Requirements	**Y**	**Y**	**Y**	**Y**
Create Views	**Y**	**Y**	**Y**	**N**
Edit/Delete Views	**Y**	**Y**	**Y***	**N**
Import Requirements	**Y**	**Y**	**Y**	**N**

1.8 Assumptions:

These factors are not design constraints on the software but any changes to these factors can affect the requirements in the SRS. For example, an assumption may be that a specific operating system will be available on the hardware designated for the software product.

The main assumptions can be:

- The IT department of XYZ has all the available hardware required to support the intended user load.
- Since the application is a web based application there is a need for the internet browser. It will be assumed that the users will possess decent internet connectivity.
- Only one member of team will register

1.9 Business Constraints:

Business constraints play a significant role in determining the nature of a deployment project. One key to successful deployment design is finding the optimal way to meet business requirements within known business constraints. The business constraints can be fiscal limitations, physical limitations (for example, network capacity), time limitations (for example, completion before significant events such as the next annual meeting), or any other limitation you anticipate as a factor that affects the achievement of the business goal.

2. Noun Analysis

2.1 List of nouns:

- College
- Database
- Tables
- Student
- Table
- Table
- Fest
- Event
- Detail
- Tables
- College
- Name
- Date
- Venue
- Student
- College
- Activities
- Entry
- Activity
- Table
- ID
- Student
- Table
- Stores
- Table
- Name
- Table
- Column
- Tables
- Maps
- Relationship
- Student
- Details
- Participation
- Activities
- College
- Database
- Details
- Winners
- Prizes
- College
- Part

- Life
- Reputation
- College
- Mark
- Events
- Mind
- Event
- Kind
- People
- Questionnaire
- College
- Student
- Colleges
- Record
- Parameters
- College
- Database
- Details
- Prizes
- Winner
- Entity
- College
- Database
- Table
- Event
- Students
- Winners
- Prizes
- Winner
- Table
- Tables
- ID
- Student
- ID
- Foreign
- ID
- Foreign
- Ranks
- Prizes
- ID
- Foreign
- Tables
- Detail
- Someone
- Event

- Entry
- Record
- Database
- Detail
- Prize
- Prize
- Tables
- Winners
- Table
- Entry
- Admin
- User
- Search
- Record
- Team
- College
- Event
- Student
- Detail
- Registration
- Form
- College
- Events
- Teams
- Students
- Registration
- Form
- Student
- Detail
- Student
- Team
- Member
- Team
- Student
- Id
- Name
- Course
- Duration
- Gender
- Student
- Team
- Member
- Group
- Authentication
- Team

- Detail
- Table
- User
- DB
- Time
- Detail
- Team
- Table
- Table
- Column
- ID
- Team
- Name
- Time
- System
- Column
- Team
- Event
- Entry
- table

2.2 Accepted Nouns

Candidate Entity set	Candidate Attribute	Candidate Relationship set
College	ID	Activities
Student	Name	Entry
Fest	Date	Stores
Event	Venue	Maps
Winner	Details	Relationship
Prizes	Mark	Participation
Admin	Authenticated	Part
User	Time	Search
Team		Registration

2.3 Rejected Nouns

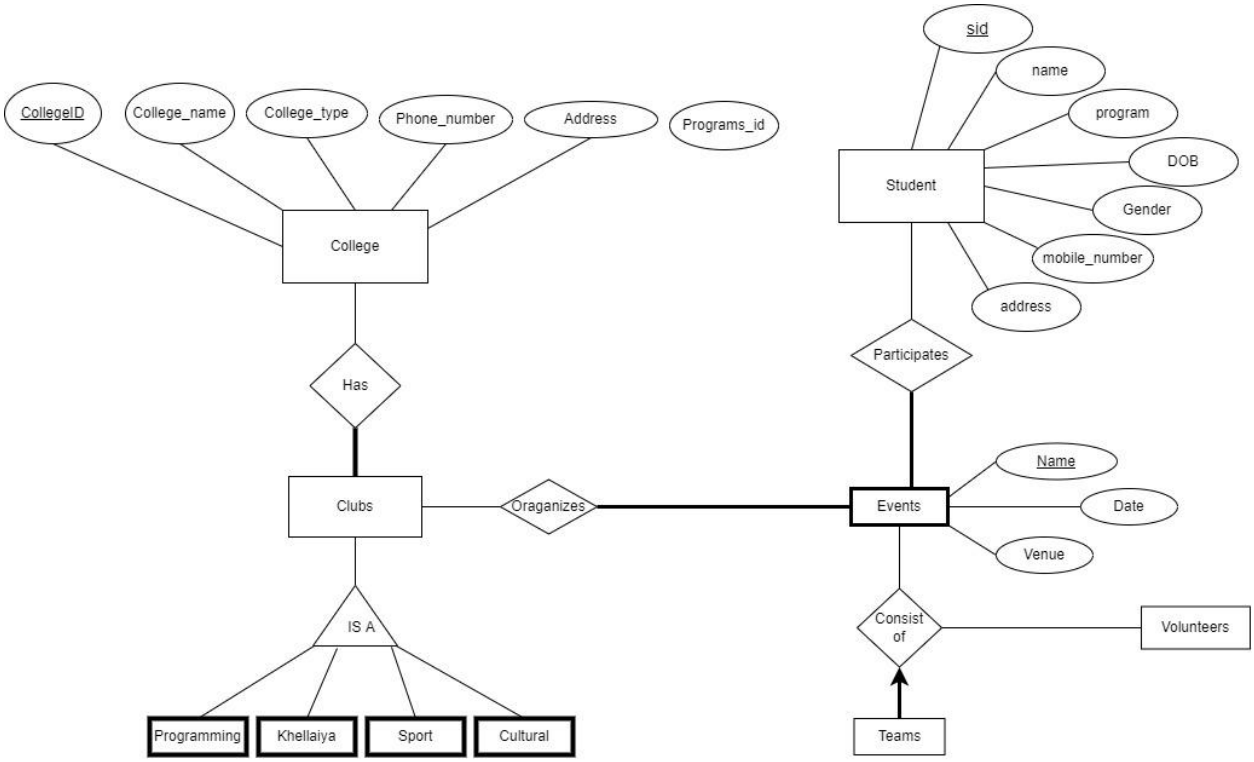
Noun	Reason for rejecting
Database	Database it self represent whole DB we can not represent as one entity.
Table	Table does not representing particular name. And repeating many times.
Detail	It is neither attribute nor entity
Column	Column itself database thing
Maps	Showing mapping

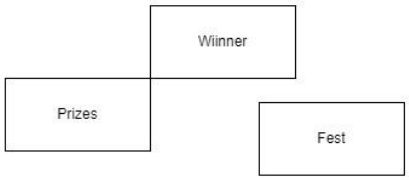
Continue..

- Relationship
- Life
- Reputation
- Mind
- Kind
- Questionnaire
- Parameters
- Entity
- Foreign
- Someone
- Search
- Record
- Registration
- Authentication
- DB
- System

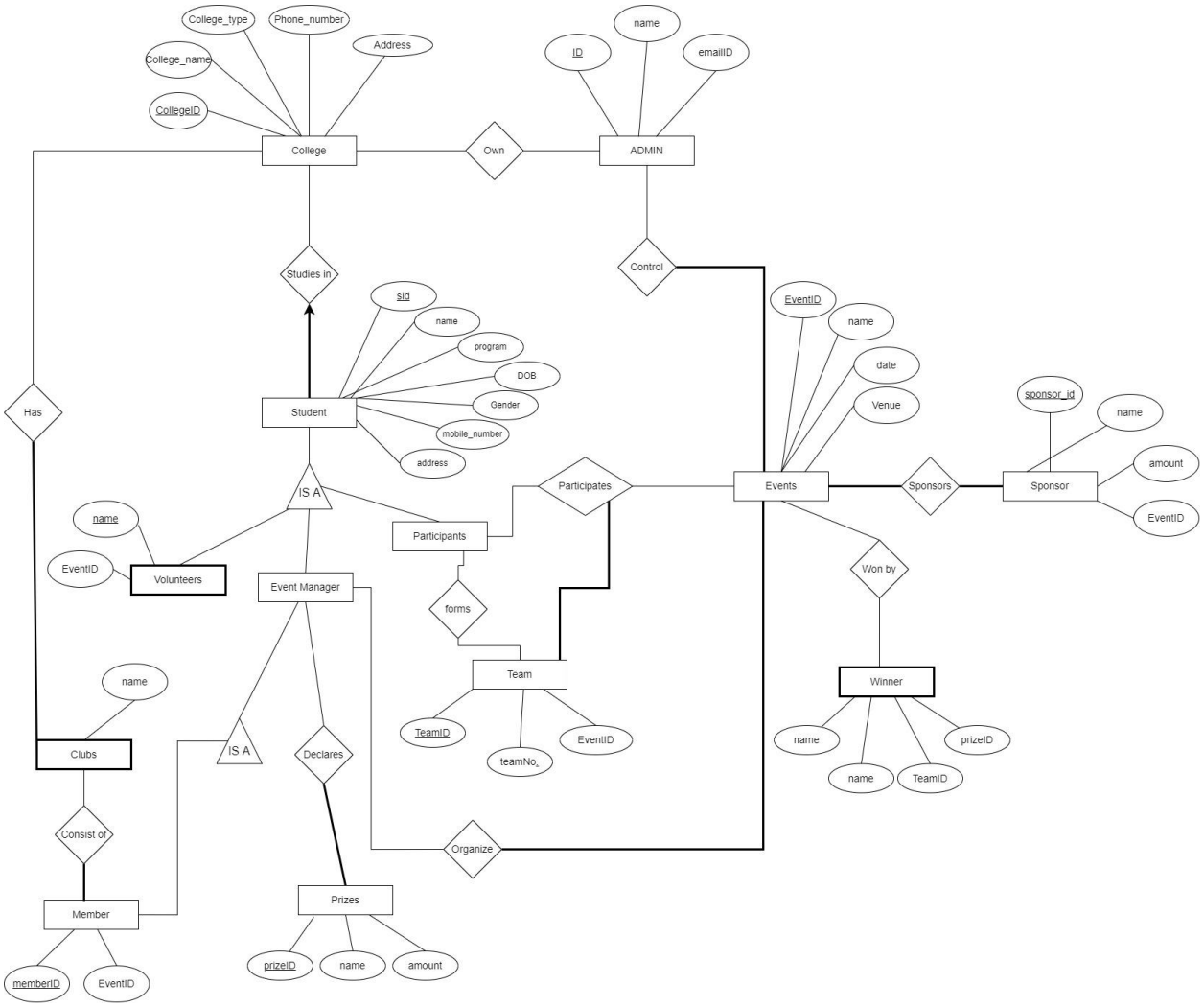
3. ER Diagram

ER_Version_0





ER_Version_1



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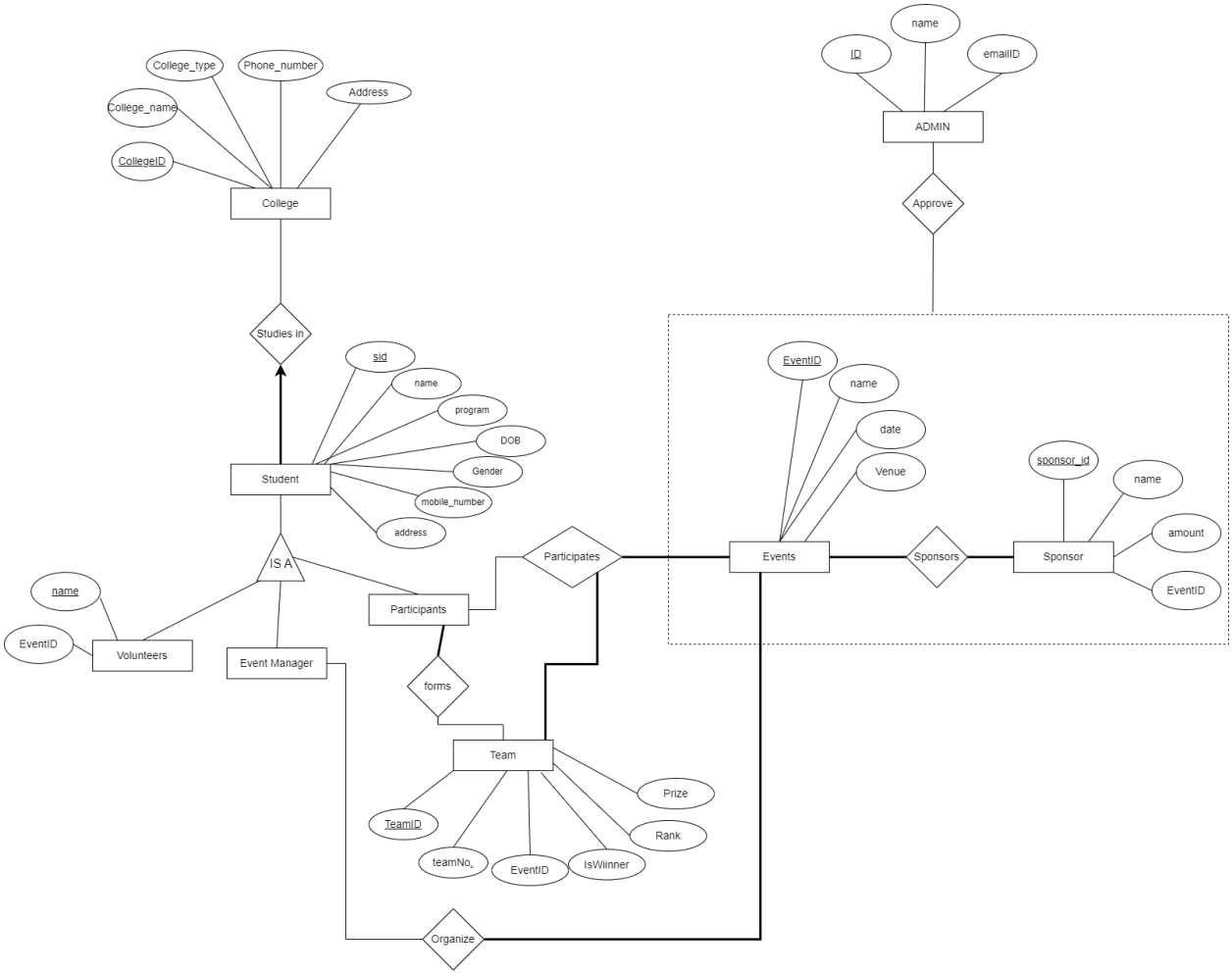


3. ER to relational mapping

Admin:
admin(ID:char(20), name: char(40), mail_id: char(50))

College:
college(college_id:char(20), name: char(40), type: char(20), phone_number: char(15), address: char(60), mail: char(20))

Student:
student(sutdent_id: integer, name: char(50), program_id: bigint(FK to programs), dob: DATE, gender: char(7), mobile_number: char(20), address: char(60), semester: bigint, state: char(20), join_date: DATE, college_id: char(20)(FK to college))

Programs:
programs(program_id:bigint, program_name: char(20), since: DATE, duration:bigint)

Volunteers:
volunteers(srno: bigint, vname: char(20), sid: integer(FK to student), event_id: bigint(FK to event), join_date:DATE)

Team:
team(team_id: bigint, sid: bigint(FK to student), team_number: bigint, event_id: bigint,(FK to event), isWinner: bigint,rank: bigint, prize(char(50))

event:
event(event_id: bigint, name: char(20), date: DATE, venue: char(20))

Sponsor:
sponsor(sponsor_id: bigint, name:char(30), amount: bigint, since: DATE)

Sponsoring:
sponsoring(event_id:bigint(FK to event), sposor_id: bigint(FK to sponsor))

event_manager:
event_manager(srno:bigint, manager_name: char(40), from_date: DATE, till_date:DATE,sid: bigint(FK to student), event_id: bigint(FK to event))

approve:
approve(event_id: bigint(FK to event), sponsor_id: bigint(FK to sponsor), ID: char(20))

4. List of relations with attribute and constraint

Admin

Column name	Data type/Domain Constraint	Constraint	Description
ID	CHAR(20)	PRIMARY KEY	Primary key of admin table
name	CHAR(20)	NOT NULL	Name of admin
mail_id	CHAR(20)	NOT NULL	Mail id of admin

College

Column name	Data type/Domain Constraint	Constraint	Description
college_id	CHAR(20)	PRIMARY KEY	ID of College
name	CHAR(50)	NOT NULL	Name of College
type	CHAR(20)	NOT NULL	(government/private/semi-government)
phone_number	CHAR(15)	NOT NULL	Contact number of college
address	CHAR(60)	NOT NULL	Address of college
mail	CHAR(20)	NOT NULL	Mail of student

Student

Column name	Data type/Domain Constraint	Constraint	Description
student_id	INTEGER	PRIMARY KEY	Unique id of student
name	CHAR(50)	NOT NULL	Name of student
program_id	BIGINT	FOREIGN KEY	Foreign key references to program

			table
DOB	DATE	NOT NULL	Can fetch age through DOB
gender	CHAR(7)	NOT NULL	Male/Female/Other
mobile_number	CHAR(15)	NOT NULL	Mobile number of student
address	CHAR(60)	NOT NULL	Address of student
semester	bigint	NOT NULL	Semester number
state	CHAR(20)	NOT NULL	State of student
join_date	DATE	NOT NULL	Joining date in college
college_id	CHAR(20)	NOT NULL	To check student of which college

Program

Column name	Data type/Domain Constraint	Constraint	Description
program_id	bigint	PRIMARY KEY	Different program has ID
program_name	CHAR(20)	NOT NULL	Program name
Since	DATE	NOT NULL	When program introduced
duration	bigint	NOT NULL	How long program is

Volunteers

Column name	Data type/Domain Constraint	Constraint	Description
srno	bigint	NULL	Serial number
vname	CHAR(20)	UNIQUE KEY	Name of volunteers
event_id	bigint	FOREIGN KEY	Event id of event table
sid	bigint	FOREIGN KEY	Student id
join_date	DATE	NOT NULL	Joining date of volunteer

Team

Column name	Data type/Domain Constraint	Constraint	Description
team_id	bigint	PRIMARY KEY	Team has id
sid	bigint	FOREIGN KEY	Student id
team_num	INTEGER	NOT NULL	Stores total member in team
event_id	bigint	FOREIGN KEY	Give detail about team formed for which event/fest
isWiinner	INTEGER	NOT NULL	Store 0 or 1 in respective of lost or won
rank	INTEGER	NOT NULL	Different winning team has rank
prize	CHAR(20)	NULL	Prize according to rank

Event

Column name	Data type/Domain Constraint	Constraint	Description
event_id	bigint	PRIMARY KEY	Primary key of events
name	CHAR(20)	NOT NULL	Name of event
date	DATE	NOT NULL	Date of event
venue	CHAR(20)	NOT NULL	Venue limits to college area

Sponsor

Column name	Data type/Domain Constraint	Constraint	Description
sponsor_id	CHAR(20)	PRIMARY KEY	Unique id of sponsors
name	CHAR(30)	NOT NULL	Name of sponsor
amount	bigint	NOT NULL	Sponsorship amount
since	DATE	NOT NULL	Date of sponsor participation

Sponsoring

Column name	Data type/Domain Constraint	Constraint	Description
event_id	bigint	UNIQUE KEY	Event id of event
sponsor_id	CHAR(20)	UNIQUE KEY	M:M relationship
event_id	bigint	FOREIGN KEY	Event id of event
sponsor_id	CHAR(20)	FOREIGN KEY	Reference to sponsor

Event manager

Column name	Data type/Domain Constraint	Constraint	Description
srno	bigint	NULL	Serial number
manager_name	CHAR(40)	UNIQUE KEY	Name of manager
from_date	DATE	NOT NULL	Date of joining of event manager
till_date	DATE	NOT NULL	Resign date of manager
sid	bigint	FOREIGN KEY	Student id of student table
event_id	bigint	FOREIGN KEY	Event id of event table

Aggregation

Approve

Column name	Data type/Domain Constraint	Constraint	Description
event_id	bigint	UNIQUE KEY	Reference to event
sponsor_id	CHAR(20)	UNIQUE KEY	Reference to sponsor
ID	CHAR(20)	UNIQUE KEY	Id of admin

5. DDL

Admin:

```
create table Admin(
ID char(20),
name char(20),
mail_id char(30),
        college_id bigint,

PRIMARY KEY(ID),
        FOREIGN KEY(college_id) REFERENCES College
);
```

College:

```
Create table college(
College_id CHAR(20)
College_name CHAR(20),
Type CHAR(20),
Phone_number bigint,
Address CHAR(50),
Mail CHAR(30)
PRIMARY KEY(college_id)
);
```

Student:

```
create table Student(
sid bigint,
        name CHAR(50),
        program_id bigint not null,
        semester bigint,
        DOB DATE,
        gender CHAR(16),
        mobile_number CHAR(20),
        address CHAR(60),
        statee CHAR(40),
        join_date DATE,
        college_id bigint,
        PRIMARY KEY(sid),
        FOREIGN KEY(program_id) REFERENCES Programs,
        FOREIGN KEY(college_id) REFERENCES College
        ON DELETE CASCADE
        ON UPDATE SET DEFAULT);
```

Programs:

```
CREATE TABLE Programs(
program_id bigint,
        program_name CHAR(20),
```

```
        since DATE,
        duration bigint,
        PRIMARY KEY(program_id)
);
```

Volunteers:

```
create table volunteers(
        srno bigint,
vname char(40),
        event_id bigint,
        sid INTEGER NOT NULL,
        join_date DATE,
        PRIMARY KEY(vname,sid),
        FOREIGN KEY(sid) REFERENCES student
        FOREIGN KEY(event_id) REFERENCES event
        ON DELETE CASCADE
);
```

Event:

```
create table event(
event_id bigint,
        event_name CHAR(50),
        date DATE,
        venue CHAR(20),
        PRIMARY KEY(event_id)
);
```

Event_manager:

```
create table event_manager(
        srno bigint,
manager_name char(50),
        from_date date,
        till_date date,
        sid bigint,
        event_id bigint,
        PRIMARY KEY(manager_name,sid),
        FOREIGN KEY(sid) REFERENCES student,
        FOREIGN KEY(event_id) REFERENCES event
        ON DELETE CASCADE
        ON UPDATE CASCADE
);
```

Team:

```
create table team(
team_id bigint,
        sid bigint,
        event_id bigint,
        team_number INTEGER,
        isWinner bigint,
        team_rank bigint,
        prize CHAR(40),
        PRIMARY KEY(sid,team_id),
        FOREIGN KEY(event_id) REFERENCES event,
        FOREIGN KEY(sid) REFERENCES student
        ON DELETE CASCADE

);
```

Sponsor:

```
create table sponsor(
sponsor_id bigint,
        sponsor_name char(30),
        amount bigint,
        since date,
        PRIMARY KEY(sponsor_id)
);
```

Sponsoring:

```
create table sponsoring(
        srno bigint,
event_id bigint,
        sponsor_id bigint,
        PRIMARY KEY(event_id,sponsor_id),
        FOREIGN KEY(event_id) REFERENCES event,
        FOREIGN KEY(sponsor_id) REFERENCES sponsor
        ON DELETE CASCADE
);
```

Approving:

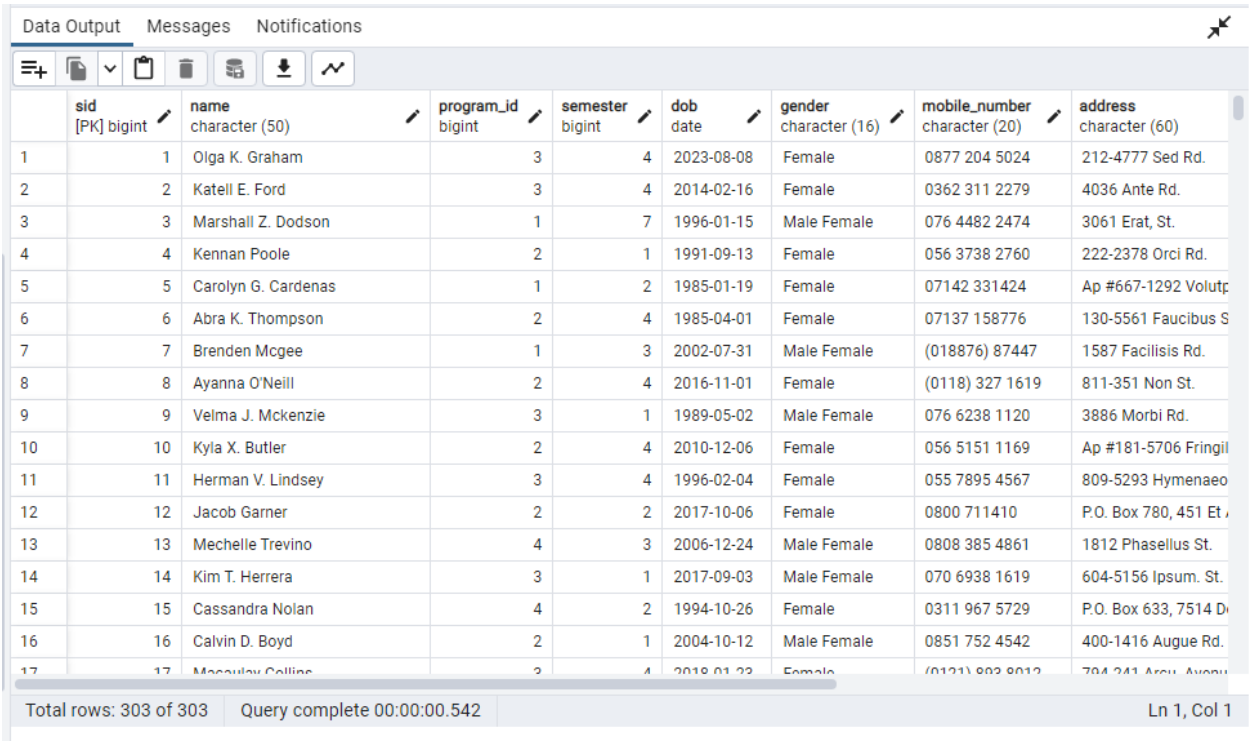
```
create table approving(
event_id bigint,
        sponsor_id bigint,
```

```
        FOREIGN KEY(event_id) REFERENCES event,
        FOREIGN KEY(sponsor_id) REFERENCES sponsor
        ON DELETE CASCADE
);
```

6. Populating Data in Database

Student:

```
COPY
"student"("sid","name","program_id","semester","dob","gender","mobile_number","address","statee","join_date","college_id")
FROM 'E:\202212024\DBMS\LAB\collegefest\students.csv'
DELIMITER ','
CSV HEADER;
```



Data Output | Messages | Notifications

	sid [PK] bigint	name character (50)	program_id bigint	semester bigint	dob date	gender character (16)	mobile_number character (20)	address character (60)
1	1	Olga K. Graham	3	4	2023-08-08	Female	0877 204 5024	212-4777 Sed Rd.
2	2	Katell E. Ford	3	4	2014-02-16	Female	0362 311 2279	4036 Ante Rd.
3	3	Marshall Z. Dodson	1	7	1996-01-15	Male Female	076 4482 2474	3061 Erat, St.
4	4	Kennan Poole	2	1	1991-09-13	Female	056 3738 2760	222-2378 Orci Rd.
5	5	Carolyn G. Cardenas	1	2	1985-01-19	Female	07142 331424	Ap #667-1292 Volutp
6	6	Abra K. Thompson	2	4	1985-04-01	Female	07137 158776	130-5561 Faucibus S
7	7	Brenden Mcgee	1	3	2002-07-31	Male Female	(018876) 87447	1587 Facilisis Rd.
8	8	Ayanna O'Neill	2	4	2016-11-01	Female	(0118) 327 1619	811-351 Non St.
9	9	Velma J. Mckenzie	3	1	1989-05-02	Male Female	076 6238 1120	3886 Morbi Rd.
10	10	Kyla X. Butler	2	4	2010-12-06	Female	056 5151 1169	Ap #181-5706 Fringil
11	11	Herman V. Lindsey	3	4	1996-02-04	Female	055 7895 4567	809-5293 Hymenaeo
12	12	Jacob Garner	2	2	2017-10-06	Female	0800 711410	P.O. Box 780, 451 Et
13	13	Mechelle Trevino	4	3	2006-12-24	Male Female	0808 385 4861	1812 Phasellus St.
14	14	Kim T. Herrera	3	1	2017-09-03	Male Female	070 6938 1619	604-5156 Ipsum. St.
15	15	Cassandra Nolan	4	2	1994-10-26	Female	0311 967 5729	P.O. Box 633, 7514 D
16	16	Calvin D. Boyd	2	1	2004-10-12	Male Female	0851 752 4542	400-1416 Augue Rd.
17	17	Macaulay Collins	3	4	2018-01-23	Female	(0121) 893 8012	794-241 Arcu. Avenu

Total rows: 303 of 303 | Query complete 00:00:00.542 | Ln 1, Col 1

Data Output | Messages | Notifications

		dob date	gender character (16)	mobile_number character (20)	address character (60)	statee character (40)	join_date date	college_id bigint
18	3	1995-08-13	Female	(0119) 590 3774	729-9079 Nam Avenue	Leinster	2023-05-07	1
19	4	2012-10-04	Female	0800 223 6357	Ap #643-393 Ac St.	Quebec	2023-02-27	1
20	4	2010-11-05	Male Female	056 3641 8761	726-2507 Orci St.	Alajuela	2023-05-31	1
21	4	2016-01-27	Male Female	0800 381422	685-376 Sapien. Street	Lagos	2023-11-14	1
22	8	2003-03-22	Female	07851 679051	Ap #166-1438 Conubia Rd.	Ivanovo Oblast	2022-01-17	1
23	3	2023-07-19	Female	(013418) 48119	Ap #152-1678 Tristique Street	Flevoland	2023-03-12	1
24	3	1992-03-12	Male Female	07624 528811	P.O. Box 681, 3118 Purus St.	East Region	2023-10-12	1
25	2	1998-07-17	Female	(015063) 24271	1002 Maecenas St.	Vinnytsia oblast	2022-08-02	1
26	4	2020-10-24	Male Female	0845 46 46	Ap #208-3927 Nec, Av.	Benue	2023-05-13	1
27	3	2013-04-25	Female	0986 831 1768	Ap #480-1334 Aliquam Rd.	Northern Territory	2023-11-11	1
28	1	2004-09-05	Female	(01646) 528635	161-6515 Mauris Avenue	Navarra	2022-08-11	1
29	4	1997-10-16	Female	0800 677830	4194 Cursus Avenue	Kaliningrad Oblast	2023-05-15	1
30	4	2008-08-04	Female	0848 410 4456	149-4671 Quisque Ave	Tamil Nadu	2022-09-18	1
31	1	1996-06-26	Female	(025) 3121 8965	Ap #924-7972 Convallis St.	Jönköpings län	2023-03-29	1
32	4	2012-09-25	Male Female	076 5447 3173	476-865 In Ave	Ancash	2023-01-08	1
33	3	1991-07-01	Female	0845 46 41	646-8957 Metus. Rd.	Comunitat Valenciana	2023-08-30	1

Total rows: 303 of 303 | Query complete 00:00:00.542 | Ln 1, Col 1

Programs:

```
COPY "programs"("program_id","program_name","since","duration")
FROM 'E:\202212024\DBMS\LAB\collegefest\programs.csv'
DELIMITER ','
CSV HEADER;
```

Data Output | Messages | Notifications

	program_id [PK] bigint	program_name character (20)	since date	duration bigint
1	1	B.Tech	2000-02-01	4
2	2	MscIT	2010-01-01	2
3	3	M.Tech	2007-01-01	2
4	4	MscDS	2020-06-01	2

Total rows: 4 of 4 | Query complete 00:00:02.104 | Ln 1, Col 1

Event:

```
COPY "event"("event_id","event_name","date","venue")
FROM 'E:\202212024\DBMS\LAB\collegefest\events.csv'
DELIMITER ','
CSV HEADER;
```

Data Output | Messages | Notifications

	event_id [PK] bigint	event_name character (50)	date date	venue character (20)
1	1	Cultural	2022-10-01	SEC
2	2	Sport	2000-12-20	SEC
3	3	Ifest	2021-01-01	CEP
4	4	Political	2021-07-15	CEP
5	5	Annual	2021-02-12	CANTEEN
6	6	Technical	2022-11-05	CEP
7	7	Synapse	2021-05-21	SEC
8	8	ifest2	2023-10-10	SEC

Total rows: 8 of 8 | Query complete 00:00:02.209 | Ln 1, Col 1

Sponsor:

```
COPY "sponsor"("sponsor_id","sponsor_name","amount","since")
FROM 'E:\202212024\DBMS\LAB\collegefest\sponsors.csv'
DELIMITER ','
CSV HEADER;
```

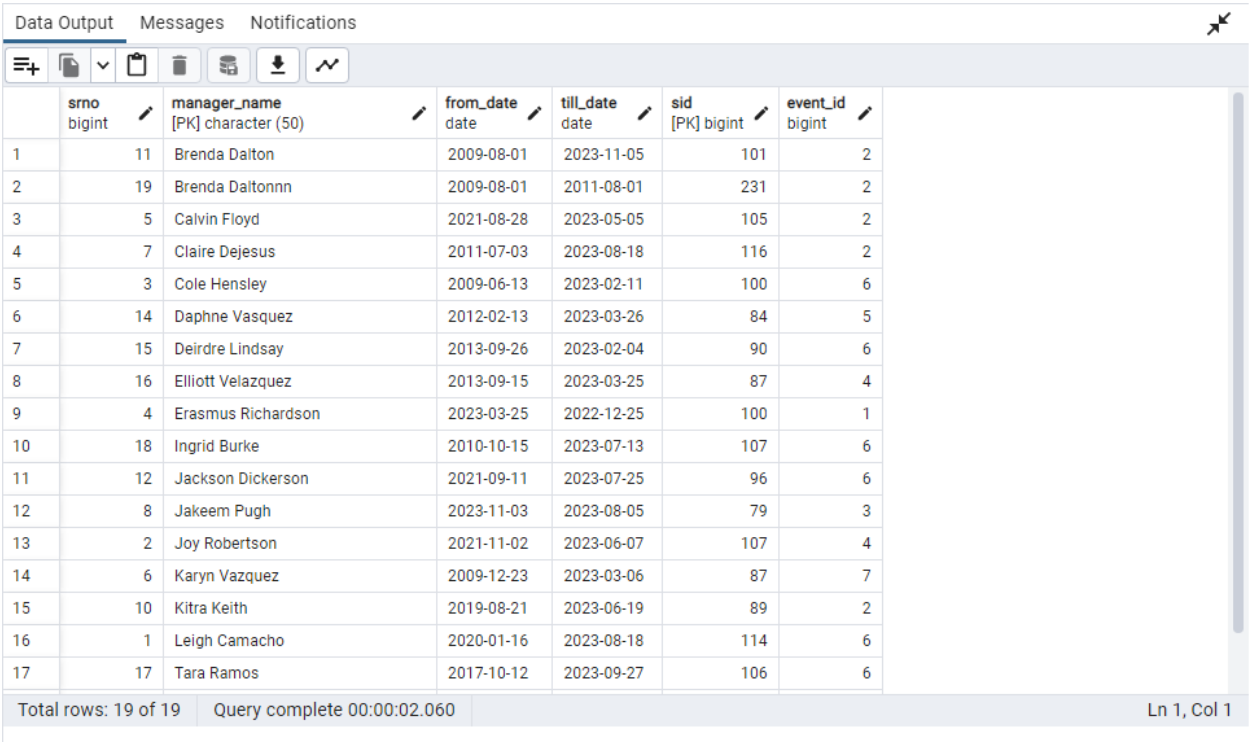
Data Output | Messages | Notifications

	sponsor_id [PK] bigint	sponsor_name character (70)	amount bigint	since date
1	1	Purus Duis Elementum Consulting	187690	2014-06-14
2	2	Primis In Incorporated	253049	2018-03-28
3	3	Proin Company	917988	2022-02-01
4	4	Lacus Pede Incorporated	577287	2016-11-15
5	5	Ipsum Corp.	593146	2016-06-15
6	6	Ligula Nullam Associates	211064	2012-03-07
7	7	Morbi Sit Amet PC	84841	2012-05-17
8	8	Ante Dictum Cursus Institute	787422	2015-11-01
9	9	Dolor Dapibus Gravida Incorporated	592116	2020-04-29
10	10	Enim Nunc Ltd	550356	2012-06-15
11	11	Euismod Ac LLP	158171	2022-06-11
12	12	Lacus Institute	233498	2017-11-04
13	13	Phasellus Fermentum Incorporated	747046	2023-09-25
14	14	A Ultricies LLP	394145	2019-08-20
15	15	Sit Amet Incorporated	803387	2011-01-23
16	16	Eros Proin Institute	240945	2012-09-20
17	17	Ligula Aliquam Erat Industries	954806	2020-06-08

Total rows: 50 of 50 | Query complete 00:00:02.051 | Ln 1, Col 1

Event_manager:

```
COPY "event_manager"("srno","manager_name","from_date","till_date","sid","event_id")
FROM 'E:\202212024\DBMS\LAB\collegefest\event_manager.csv'
DELIMITER ','
CSV HEADER;
```



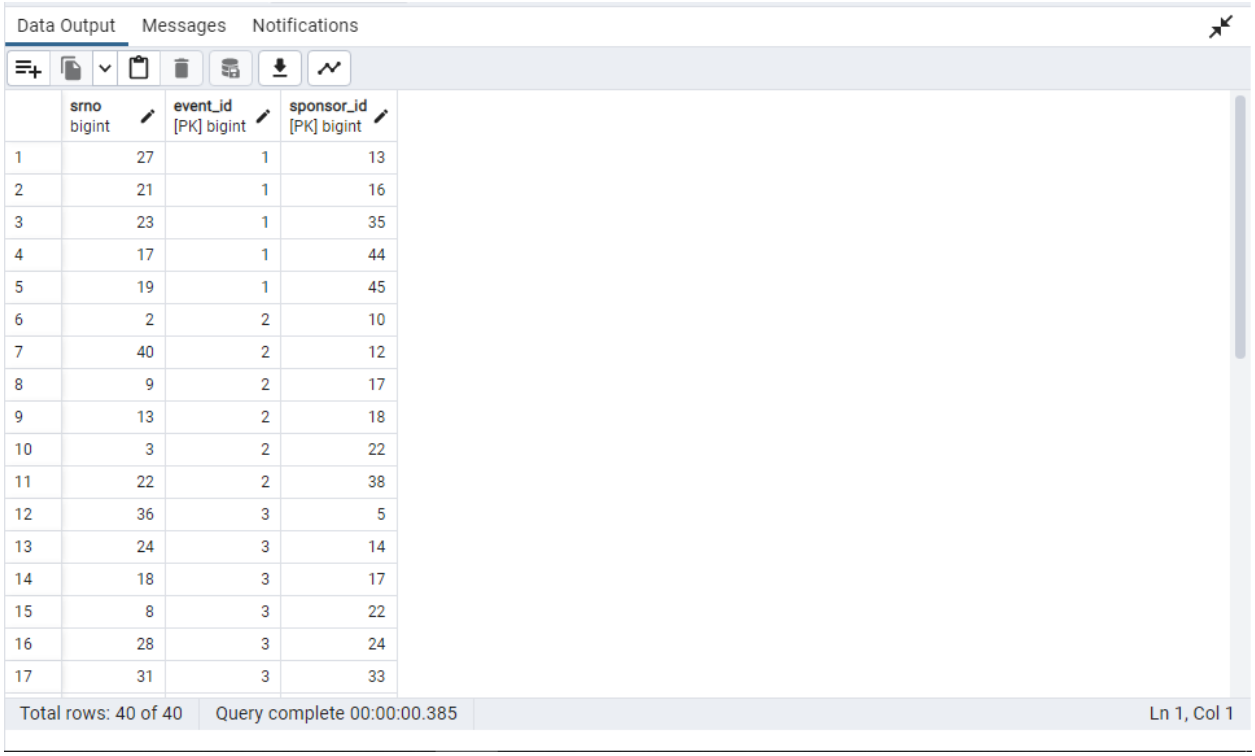
Data Output | Messages | Notifications

	srno bigint	manager_name [PK] character (50)	from_date date	till_date date	sid [PK] bigint	event_id bigint
1	11	Brenda Dalton	2009-08-01	2023-11-05	101	2
2	19	Brenda Daltonnn	2009-08-01	2011-08-01	231	2
3	5	Calvin Floyd	2021-08-28	2023-05-05	105	2
4	7	Claire Dejesus	2011-07-03	2023-08-18	116	2
5	3	Cole Hensley	2009-06-13	2023-02-11	100	6
6	14	Daphne Vasquez	2012-02-13	2023-03-26	84	5
7	15	Deirdre Lindsay	2013-09-26	2023-02-04	90	6
8	16	Elliott Velazquez	2013-09-15	2023-03-25	87	4
9	4	Erasmus Richardson	2023-03-25	2022-12-25	100	1
10	18	Ingrid Burke	2010-10-15	2023-07-13	107	6
11	12	Jackson Dickerson	2021-09-11	2023-07-25	96	6
12	8	Jakeem Pugh	2023-11-03	2023-08-05	79	3
13	2	Joy Robertson	2021-11-02	2023-06-07	107	4
14	6	Karyn Vazquez	2009-12-23	2023-03-06	87	7
15	10	Kitra Keith	2019-08-21	2023-06-19	89	2
16	1	Leigh Camacho	2020-01-16	2023-08-18	114	6
17	17	Tara Ramos	2017-10-12	2023-09-27	106	6

Total rows: 19 of 19 | Query complete 00:00:02.060 | Ln 1, Col 1

Sponsoring:

```
COPY "sponsoring"("srno","event_id","sponsor_id")
FROM 'E:\202212024\DBMS\LAB\collegefest\sponsoring.csv'
DELIMITER ','
CSV HEADER;
```



Data Output | Messages | Notifications

	srno bigint	event_id [PK] bigint	sponsor_id [PK] bigint
1	27	1	13
2	21	1	16
3	23	1	35
4	17	1	44
5	19	1	45
6	2	2	10
7	40	2	12
8	9	2	17
9	13	2	18
10	3	2	22
11	22	2	38
12	36	3	5
13	24	3	14
14	18	3	17
15	8	3	22
16	28	3	24
17	31	3	33

Total rows: 40 of 40 | Query complete 00:00:00.385 | Ln 1, Col 1

Team:

```
COPY "team"("team_id","sid","event_id","team_number","iswinner","team_rank","prize")
FROM 'E:\202212024\DBMS\LAB\collegefest\teams.csv'
DELIMITER ','
CSV HEADER;
```

Data Output | Messages | Notifications

	team_id [PK] bigint	sid [PK] bigint	event_id bigint	team_number integer	iswinner bigint	team_rank bigint	prize character (80)
1	1	123	4	3	0	2	sit amet massa. Quisque
2	1	216	6	3	0	4	non arcu. Vivamus sit amet risus.
3	1	237	7	3	1	7	Fusce fermentum fermentum arcu. Vestibulum ante
4	2	94	1	2	0	9	mauris sapien, cursus in, hendrerit consectetuer,
5	2	159	3	2	0	8	ornare tortor at
6	3	116	5	2	0	10	mollis nec,
7	3	135	6	2	1	2	velit. Cras lorem lorem, luctus ut, pellentesque eget, dict...
8	4	34	2	1	0	7	Nulla tincidunt, neque vitae
9	4	195	6	1	1	2	pharetra ut, pharetra sed, hendrerit a,
10	4	272	6	1	0	4	lacus pede sagittis augue,
11	5	74	4	3	1	5	auctor, velit eget laoreet
12	5	96	3	3	1	5	ligula consectetuer rhoncus. Nullam velit dui, semper et,
13	5	126	1	3	0	7	sem, consequat nec, mollis vitae,
14	6	171	1	2	0	2	ipsum dolor sit amet, consectetuer adipiscing elit. Aliqu...
15	6	261	3	2	0	6	pellentesque massa lobortis ultrices. Vivamus
16	7	106	3	2	0	1	sit amet, consectetuer adipiscing elit. Curabitur
17	7	184	7	2	1	2	sit amet massa. Quisque porttitor eros

Total rows: 50 of 50 | Query complete 00:00:02.049 | Ln 1, Col 1

Volunteers:

```
COPY "volunteers"("srno","vname","event_id","sid","join_date")
FROM 'E:\202212024\DBMS\LAB\collegefest\volunteers.csv'
DELIMITER ','
CSV HEADER;
```

Data Output | Messages | Notifications

	srno bigint	vname [PK] character (40)	event_id bigint	sid [PK] integer	join_date date
1	52	Acton Kinney	7	271	2015-09-11
2	54	Allegra Humphrey	4	278	2018-09-12
3	20	Armand Knight	3	111	2011-07-14
4	68	Aurelia Schneider	4	12	2020-08-14
5	16	Bruno White	7	108	2019-05-04
6	2	Cade Haynes	3	105	2010-04-14
7	45	Caesar Owens	5	32	2015-01-07
8	66	Candice Lopez	1	74	2018-06-05
9	8	Chanda Terrell	4	269	2013-11-29
10	3	Coby Martin	7	4	2016-05-13
11	42	Cooper Padilla	2	46	2013-12-17
12	48	Darrel Houston	6	260	2010-09-27
13	37	Dexter Glenn	2	175	2012-02-17
14	56	Dominique Flores	3	288	2013-06-03
15	9	Dylan Melton	3	13	2009-01-19
16	41	Eleanor Bradshaw	2	85	2022-07-10
17	24	Eliana Garner	6	268	2020-06-16

Total rows: 70 of 70 | Query complete 00:00:00.320 | Ln 1, Col 1

Approving:

```
COPY "approving"("event_id","sponsor_id")
FROM 'E:\202212024\DBMS\LAB\collegefest\approve.csv'
DELIMITER ','
CSV HEADER;
```

Data Output | Messages | Notifications

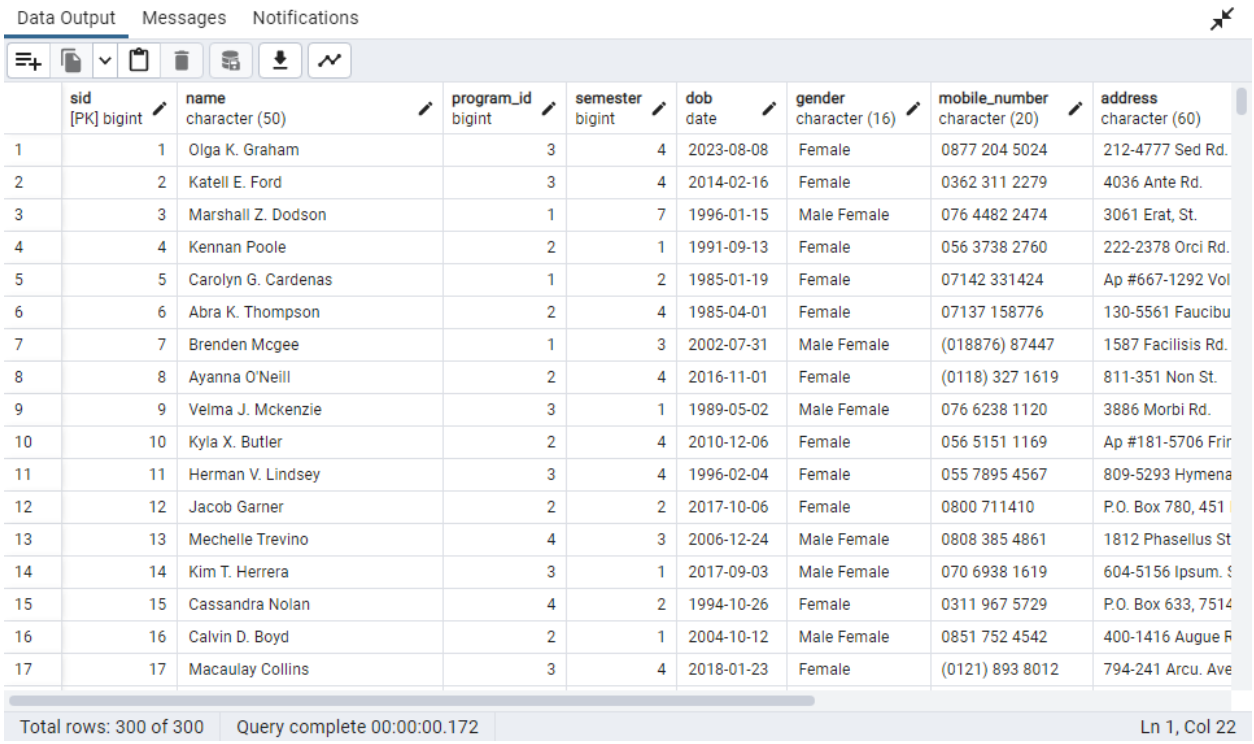
	event_id bigint	sponsor_id bigint
1	2	7
2	3	8
3	4	9
4	5	10
5	6	11
6	[null]	12
7	[null]	13
8	[null]	14
9	[null]	15

Total rows: 9 of 9 | Query complete 00:00:01.952 | Ln 1, Col 1

7. Queries

1. **Show all student information.**

   select * from student



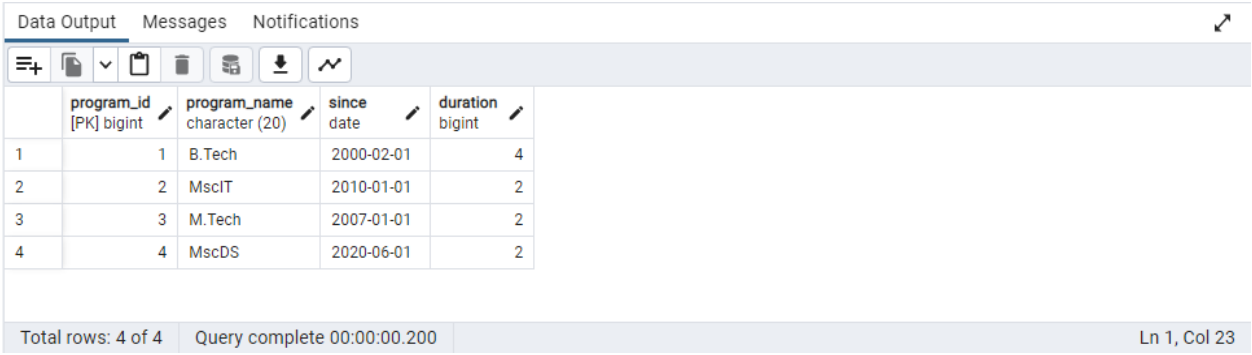
Data Output | Messages | Notifications

	sid [PK] bigint	name character (50)	program_id bigint	semester bigint	dob date	gender character (16)	mobile_number character (20)	address character (60)
1	1	Olga K. Graham	3	4	2023-08-08	Female	0877 204 5024	212-4777 Sed Rd.
2	2	Katell E. Ford	3	4	2014-02-16	Female	0362 311 2279	4036 Ante Rd.
3	3	Marshall Z. Dodson	1	7	1996-01-15	Male Female	076 4482 2474	3061 Erat, St.
4	4	Kennan Poole	2	1	1991-09-13	Female	056 3738 2760	222-2378 Orci Rd.
5	5	Carolyn G. Cardenas	1	2	1985-01-19	Female	07142 331424	Ap #667-1292 Vol
6	6	Abra K. Thompson	2	4	1985-04-01	Female	07137 158776	130-5561 Faucibu
7	7	Brenden Mcgee	1	3	2002-07-31	Male Female	(018876) 87447	1587 Facilisis Rd.
8	8	Ayanna O'Neill	2	4	2016-11-01	Female	(0118) 327 1619	811-351 Non St.
9	9	Velma J. Mckenzie	3	1	1989-05-02	Male Female	076 6238 1120	3886 Morbi Rd.
10	10	Kyla X. Butler	2	4	2010-12-06	Female	056 5151 1169	Ap #181-5706 Frir
11	11	Herman V. Lindsey	3	4	1996-02-04	Female	055 7895 4567	809-5293 Hymena
12	12	Jacob Garner	2	2	2017-10-06	Female	0800 711410	P.O. Box 780, 451
13	13	Mechelle Trevino	4	3	2006-12-24	Male Female	0808 385 4861	1812 Phasellus St
14	14	Kim T. Herrera	3	1	2017-09-03	Male Female	070 6938 1619	604-5156 Ipsum. S
15	15	Cassandra Nolan	4	2	1994-10-26	Female	0311 967 5729	P.O. Box 633, 7514
16	16	Calvin D. Boyd	2	1	2004-10-12	Male Female	0851 752 4542	400-1416 Augue R
17	17	Macaulay Collins	3	4	2018-01-23	Female	(0121) 893 8012	794-241 Arcu. Ave

Total rows: 300 of 300 | Query complete 00:00:00.172 | Ln 1, Col 22

2. **Display all programs teach in college.**

   select * from programs



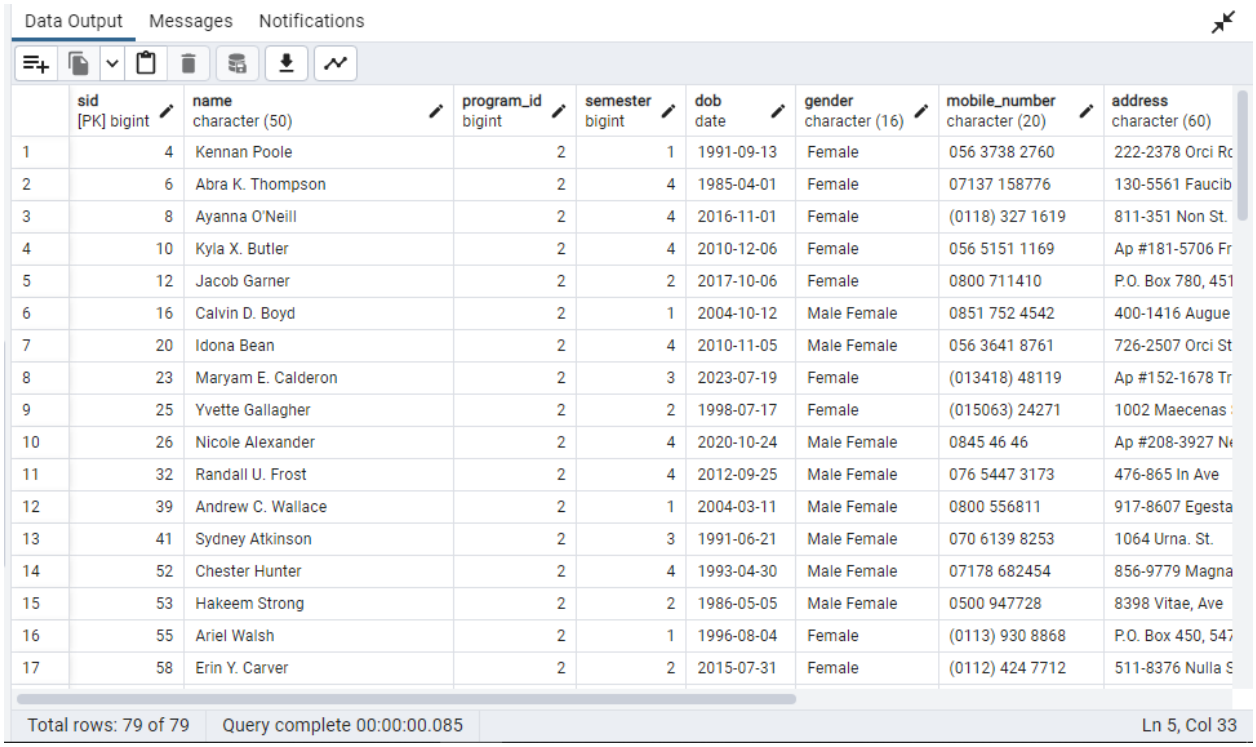
Data Output | Messages | Notifications

	program_id [PK] bigint	program_name character (20)	since date	duration bigint
1	1	B.Tech	2000-02-01	4
2	2	MscIT	2010-01-01	2
3	3	M.Tech	2007-01-01	2
4	4	MscDS	2020-06-01	2

Total rows: 4 of 4 | Query complete 00:00:00.200 | Ln 1, Col 23

3. **Show students who studies in MscIT program.**

```
select *
from student
where program_id in (select program_id
                     from programs
                     where program_name='MscIT')
```



Data Output | Messages | Notifications

	sid [PK] bigint	name character (50)	program_id bigint	semester bigint	dob date	gender character (16)	mobile_number character (20)	address character (60)
1	4	Kennan Poole	2	1	1991-09-13	Female	056 3738 2760	222-2378 Orci Rc
2	6	Abra K. Thompson	2	4	1985-04-01	Female	07137 158776	130-5561 Faucib
3	8	Ayanna O'Neill	2	4	2016-11-01	Female	(0118) 327 1619	811-351 Non St.
4	10	Kyla X. Butler	2	4	2010-12-06	Female	056 5151 1169	Ap #181-5706 Fr
5	12	Jacob Garner	2	2	2017-10-06	Female	0800 711410	P.O. Box 780, 451
6	16	Calvin D. Boyd	2	1	2004-10-12	Male Female	0851 752 4542	400-1416 Augue
7	20	Idona Bean	2	4	2010-11-05	Male Female	056 3641 8761	726-2507 Orci St
8	23	Maryam E. Calderon	2	3	2023-07-19	Female	(013418) 48119	Ap #152-1678 Tr
9	25	Yvette Gallagher	2	2	1998-07-17	Female	(015063) 24271	1002 Maecenas
10	26	Nicole Alexander	2	4	2020-10-24	Male Female	0845 46 46	Ap #208-3927 Ne
11	32	Randall U. Frost	2	4	2012-09-25	Male Female	076 5447 3173	476-865 In Ave
12	39	Andrew C. Wallace	2	1	2004-03-11	Male Female	0800 556811	917-8607 Egesta
13	41	Sydney Atkinson	2	3	1991-06-21	Male Female	070 6139 8253	1064 Urna. St.
14	52	Chester Hunter	2	4	1993-04-30	Male Female	07178 682454	856-9779 Magna
15	53	Hakeem Strong	2	2	1986-05-05	Male Female	0500 947728	8398 Vitae, Ave
16	55	Ariel Walsh	2	1	1996-08-04	Female	(0113) 930 8868	P.O. Box 450, 547
17	58	Erin Y. Carver	2	2	2015-07-31	Female	(0112) 424 7712	511-8376 Nulla S

Total rows: 79 of 79 | Query complete 00:00:00.085 | Ln 5, Col 33

4. **Display all female students.**

```
select *
from student
where gender='Female'
```

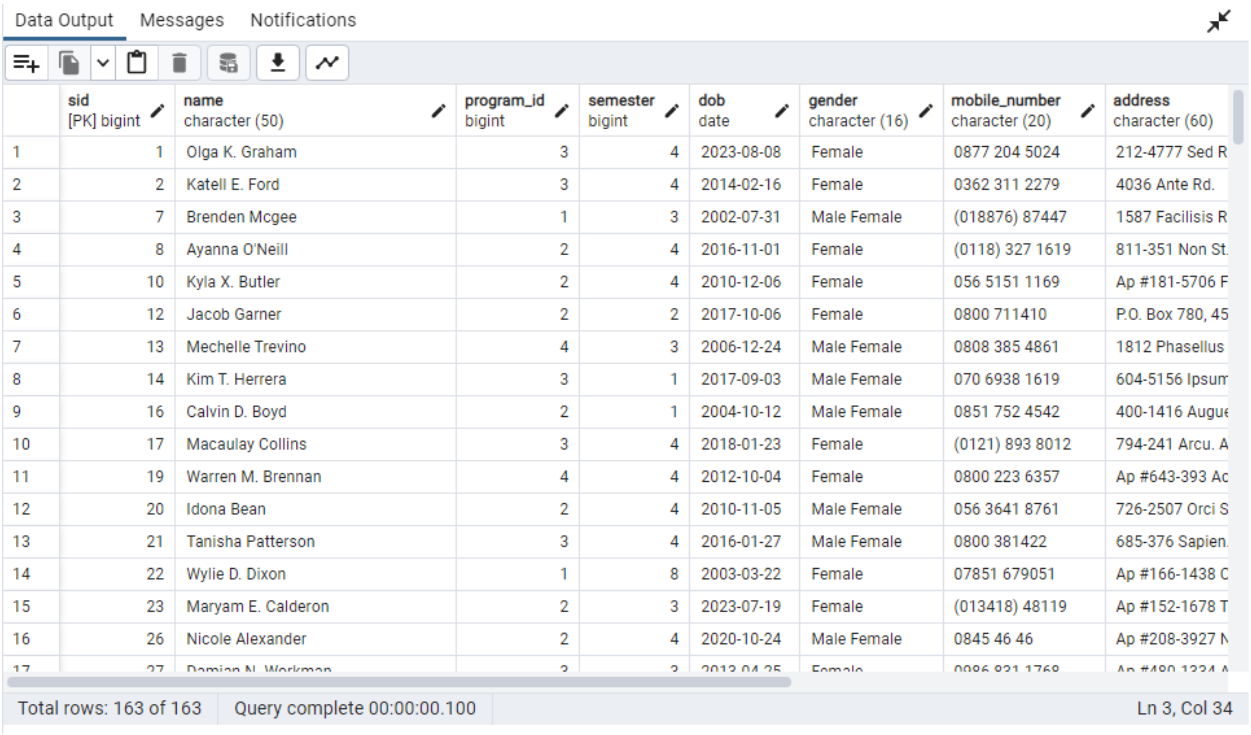
Data Output Messages Notifications

	sid [PK] bigint	name character (50)	program_id bigint	semester bigint	dob date	gender character (16)	mobile_number character (20)	address character (60)
1	1	Olga K. Graham	3	4	2023-08-08	Female	0877 204 5024	212-4777 Sed Rd.
2	2	Katell E. Ford	3	4	2014-02-16	Female	0362 311 2279	4036 Ante Rd.
3	4	Kennan Poole	2	1	1991-09-13	Female	056 3738 2760	222-2378 Orci Rd.
4	5	Carolyn G. Cardenas	1	2	1985-01-19	Female	07142 331424	Ap #667-1292 Vol
5	6	Abra K. Thompson	2	4	1985-04-01	Female	07137 158776	130-5561 Faucibu
6	8	Ayanna O'Neill	2	4	2016-11-01	Female	(0118) 327 1619	811-351 Non St.
7	10	Kyla X. Butler	2	4	2010-12-06	Female	056 5151 1169	Ap #181-5706 Frir
8	11	Herman V. Lindsey	3	4	1996-02-04	Female	055 7895 4567	809-5293 Hymena
9	12	Jacob Garner	2	2	2017-10-06	Female	0800 711410	P.O. Box 780, 451
10	15	Cassandra Nolan	4	2	1994-10-26	Female	0311 967 5729	P.O. Box 633, 7514
11	17	Macaulay Collins	3	4	2018-01-23	Female	(0121) 893 8012	794-241 Arcu. Ave
12	18	Colt Fry	3	3	1995-08-13	Female	(0119) 590 3774	729-9079 Nam Av
13	19	Warren M. Brennan	4	4	2012-10-04	Female	0800 223 6357	Ap #643-393 Ac S
14	22	Wylie D. Dixon	1	8	2003-03-22	Female	07851 679051	Ap #166-1438 Cor
15	23	Maryam E. Calderon	2	3	2023-07-19	Female	(013418) 48119	Ap #152-1678 Tris
16	25	Yvette Gallagher	2	2	1998-07-17	Female	(015063) 24271	1002 Maecenas S
17	27	Damian N. Workman	3	3	2013-04-25	Female	0986 831 1768	Ap #480-1334 Alic

Total rows: 150 of 150 Query complete 00:00:00.103 Ln 3, Col 22

5. Display students name who is born after 2000.

```
select *
from student
where extract(year from dob)>2000
```



Data Output | Messages | Notifications

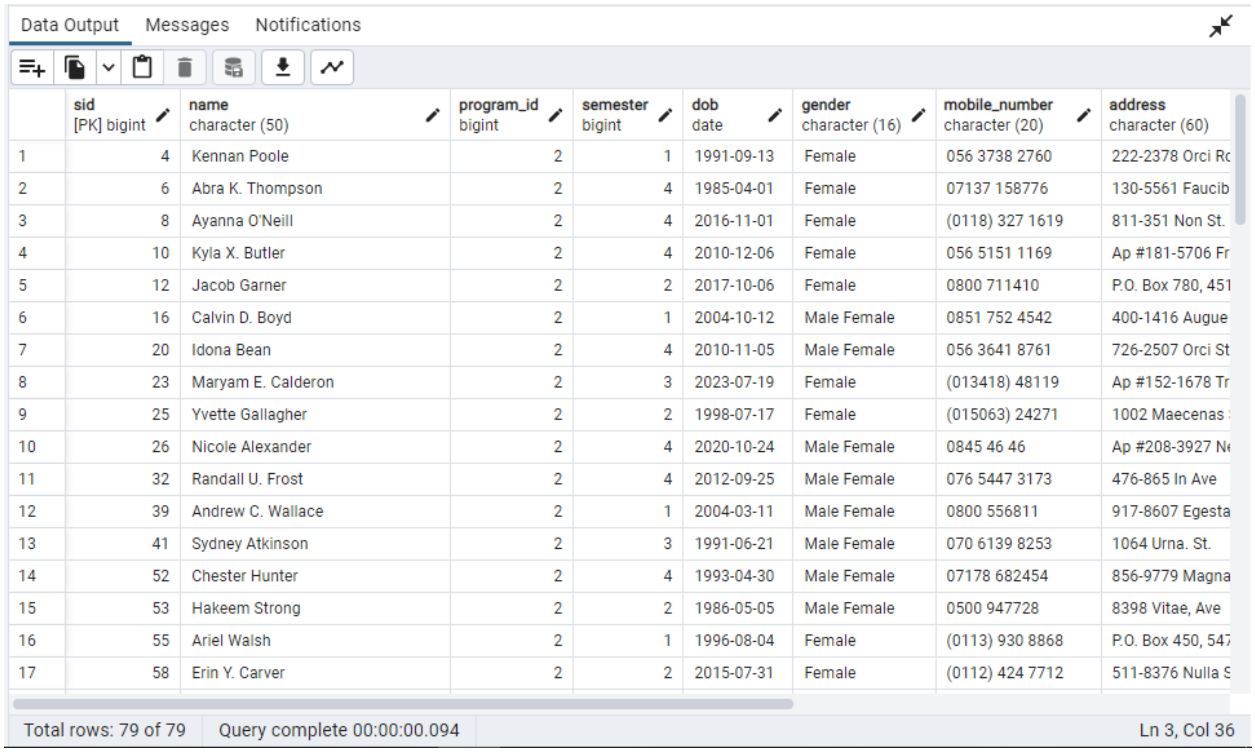
	sid [PK] bigint	name character (50)	program_id bigint	semester bigint	dob date	gender character (16)	mobile_number character (20)	address character (60)
1	1	Olga K. Graham	3	4	2023-08-08	Female	0877 204 5024	212-4777 Sed R
2	2	Katell E. Ford	3	4	2014-02-16	Female	0362 311 2279	4036 Ante Rd.
3	7	Brenden Mcgee	1	3	2002-07-31	Male Female	(018876) 87447	1587 Facilisis R
4	8	Ayanna O'Neill	2	4	2016-11-01	Female	(0118) 327 1619	811-351 Non St.
5	10	Kyla X. Butler	2	4	2010-12-06	Female	056 5151 1169	Ap #181-5706 F
6	12	Jacob Garner	2	2	2017-10-06	Female	0800 711410	P.O. Box 780, 45
7	13	Mechelle Trevino	4	3	2006-12-24	Male Female	0808 385 4861	1812 Phasellus
8	14	Kim T. Herrera	3	1	2017-09-03	Male Female	070 6938 1619	604-5156 Ipsum
9	16	Calvin D. Boyd	2	1	2004-10-12	Male Female	0851 752 4542	400-1416 Augue
10	17	Macaulay Collins	3	4	2018-01-23	Female	(0121) 893 8012	794-241 Arcu. A
11	19	Warren M. Brennan	4	4	2012-10-04	Female	0800 223 6357	Ap #643-393 Ac
12	20	Idona Bean	2	4	2010-11-05	Male Female	056 3641 8761	726-2507 Orci S
13	21	Tanisha Patterson	3	4	2016-01-27	Male Female	0800 381422	685-376 Sapien.
14	22	Wylie D. Dixon	1	8	2003-03-22	Female	07851 679051	Ap #166-1438 C
15	23	Maryam E. Calderon	2	3	2023-07-19	Female	(013418) 48119	Ap #152-1678 T
16	26	Nicole Alexander	2	4	2020-10-24	Male Female	0845 46 46	Ap #208-3927 N
17	27	Damian N. Workman	3	3	2013-04-25	Female	0086 831 1768	Ap #480-1334 A

Total rows: 163 of 163 | Query complete 00:00:00.100 | Ln 3, Col 34

6. **Show only student information who are currently enrolled in MscIT program**

.

```
select *
from student
where  program_id in (select program_id
                                        from programs
                                        where program_name='MscIT') and  join_date
between join_date and join_date+ interval '2' year
```



Data Output | Messages | Notifications

	sid [PK] bigint	name character (50)	program_id bigint	semester bigint	dob date	gender character (16)	mobile_number character (20)	address character (60)
1	4	Kennan Poole	2	1	1991-09-13	Female	056 3738 2760	222-2378 Orci Rc
2	6	Abra K. Thompson	2	4	1985-04-01	Female	07137 158776	130-5561 Faucib
3	8	Ayanna O'Neill	2	4	2016-11-01	Female	(0118) 327 1619	811-351 Non St.
4	10	Kyla X. Butler	2	4	2010-12-06	Female	056 5151 1169	Ap #181-5706 Fr
5	12	Jacob Garner	2	2	2017-10-06	Female	0800 711410	P.O. Box 780, 451
6	16	Calvin D. Boyd	2	1	2004-10-12	Male Female	0851 752 4542	400-1416 Augue
7	20	Idona Bean	2	4	2010-11-05	Male Female	056 3641 8761	726-2507 Orci St
8	23	Maryam E. Calderon	2	3	2023-07-19	Female	(013418) 48119	Ap #152-1678 Tr
9	25	Yvette Gallagher	2	2	1998-07-17	Female	(015063) 24271	1002 Maecenas
10	26	Nicole Alexander	2	4	2020-10-24	Male Female	0845 46 46	Ap #208-3927 Ne
11	32	Randall U. Frost	2	4	2012-09-25	Male Female	076 5447 3173	476-865 In Ave
12	39	Andrew C. Wallace	2	1	2004-03-11	Male Female	0800 556811	917-8607 Egesta
13	41	Sydney Atkinson	2	3	1991-06-21	Male Female	070 6139 8253	1064 Urna. St.
14	52	Chester Hunter	2	4	1993-04-30	Male Female	07178 682454	856-9779 Magna
15	53	Hakeem Strong	2	2	1986-05-05	Male Female	0500 947728	8398 Vitae, Ave
16	55	Ariel Walsh	2	1	1996-08-04	Female	(0113) 930 8868	P.O. Box 450, 547
17	58	Erin Y. Carver	2	2	2015-07-31	Female	(0112) 424 7712	511-8376 Nulla S

Total rows: 79 of 79 | Query complete 00:00:00.094 | Ln 3, Col 36

7. Show former student of MscIT program.

```
select *
from student
where  program_id in (select program_id
                                        from programs
                                        where program_name='MscIT') and  join_date +
interval '24 months' < current_date
```

Data Output | Messages | Notifications

	sid [PK] bigint	name character (50)	program_id bigint	semester bigint	dob date	gender character (16)	mobile_number character (20)	address character (60)
1	301	Manan	2	4	1996-01-15	Male	8877888888	212-4777 Sed Rd.

Total rows: 1 of 1 | Query complete 00:00:00.085 | Ln 8, Col 1

8. **Show student who are 2027passed out(Btech program)**.

```
select *
from student
where
program_id in (select program_id
                                    from programs
                                    where program_name='B.Tech')
                                    and
extract(year from join_date+interval '48 months')=2027

join_date>=(join_date+interval '48 months')
```

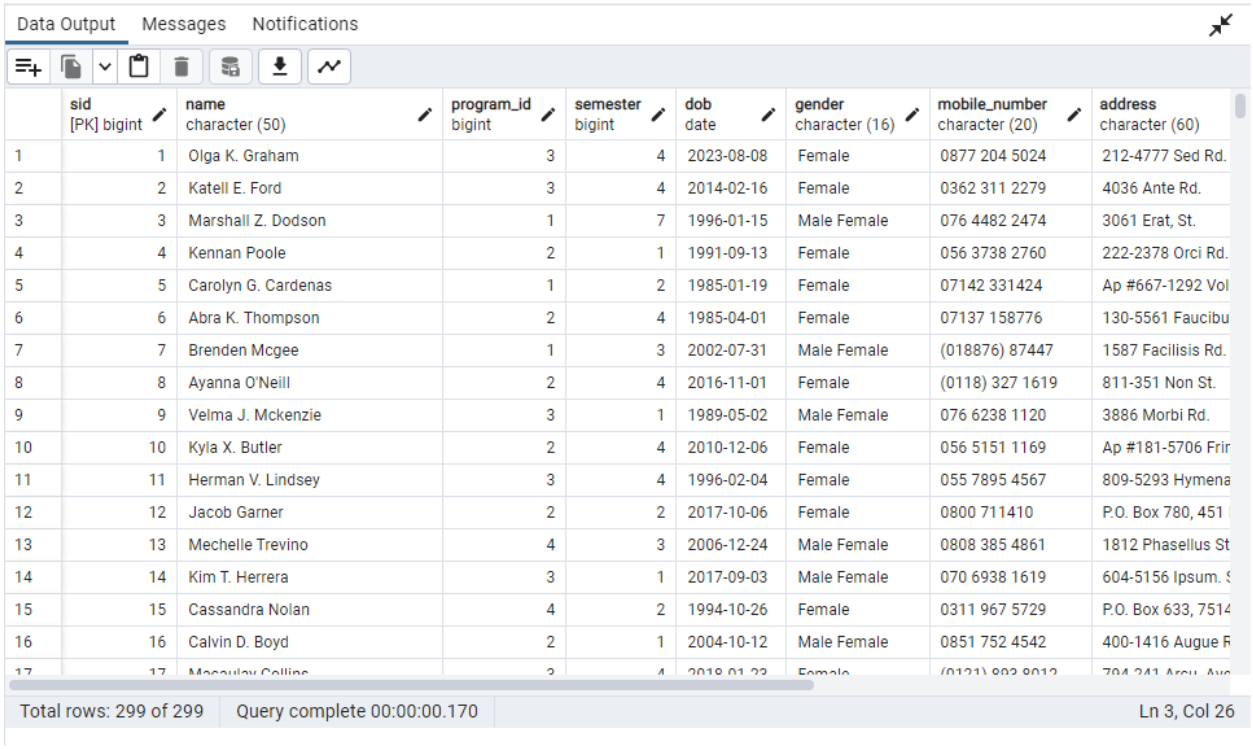
Data Output | Messages | Notifications

	sid [PK] bigint	name character (50)	program_id bigint	semester bigint	dob date	gender character (16)	mobile_number character (20)	address character (60)
1	7	Brenden Mcgee	1	3	2002-07-31	Male Female	(018876) 87447	1587 Facilisis R
2	29	Zeph G. Hodge	1	4	1997-10-16	Female	0800 677830	4194 Cursus Av
3	40	Dara X. Sandoval	1	7	1999-08-12	Male Female	(0191) 597 8571	P.O. Box 240, 40
4	51	Karen N. Rowe	1	8	1990-03-15	Female	(01866) 04053	Ap #210-5932 S
5	67	Leandra J. Collins	1	5	2013-08-29	Female	070 7693 0846	223-5761 Nec, A
6	68	Carol Briggs	1	1	1991-09-07	Male Female	(01226) 665371	783-6241 Nulla.
7	79	Catherine M. Henry	1	2	1985-01-03	Male Female	070 8985 4043	724-4590 Sem,
8	85	Rashad U. Short	1	7	1999-06-03	Female	056 7413 8734	Ap #337-2059 T
9	87	Chandler D. Stevenson	1	7	2012-09-25	Male Female	0800 453831	8617 Nisi Road
10	107	Deborah E. Chase	1	7	2000-01-29	Male Female	0500 255452	Ap #697-5714 F
11	120	Deanna Stevens	1	8	2002-11-29	Female	0392 281 2177	Ap #941-7596 L
12	122	Hedwig P. Hardy	1	5	2016-06-13	Male Female	(01268) 413297	Ap #267-4832 L
13	128	Katell J. Suarez	1	3	1990-06-15	Female	(027) 5510 5382	135-8566 Arcu.
14	129	Laith Orr	1	1	2008-04-17	Male Female	(01807) 263848	Ap #621-8902 C
15	137	Rosalyn F. Alston	1	7	1997-04-12	Male Female	(01733) 82178	763-7934 Alique
16	153	Lane V. Bush	1	5	2021-04-23	Female	0800 535 5667	795-3557 Eu Rd
17	157	Amethyst Cruz	1	5	2011-01-19	Male Female	(01424) 13467	P.O. Box 413, 29

Total rows: 36 of 36 | Query complete 00:00:00.098 | Ln 8, Col 55

9. Show student who are out of gujarat state.

```
select *
from student
where statee <> 'Gujarat'
```



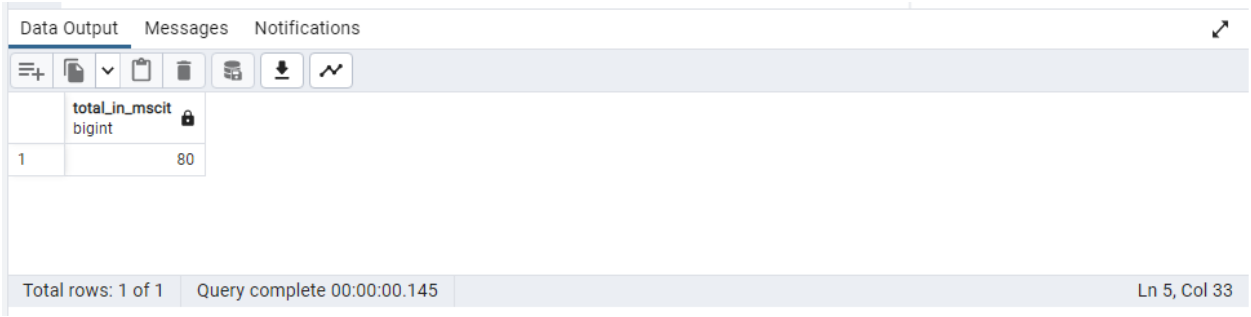
Data Output | Messages | Notifications

	sid [PK] bigint	name character (50)	program_id bigint	semester bigint	dob date	gender character (16)	mobile_number character (20)	address character (60)
1	1	Olga K. Graham	3	4	2023-08-08	Female	0877 204 5024	212-4777 Sed Rd.
2	2	Katell E. Ford	3	4	2014-02-16	Female	0362 311 2279	4036 Ante Rd.
3	3	Marshall Z. Dodson	1	7	1996-01-15	Male Female	076 4482 2474	3061 Erat, St.
4	4	Kennan Poole	2	1	1991-09-13	Female	056 3738 2760	222-2378 Orci Rd.
5	5	Carolyn G. Cardenas	1	2	1985-01-19	Female	07142 331424	Ap #667-1292 Vol
6	6	Abra K. Thompson	2	4	1985-04-01	Female	07137 158776	130-5561 Faucibu
7	7	Brenden Mcgee	1	3	2002-07-31	Male Female	(018876) 87447	1587 Facilisis Rd.
8	8	Ayanna O'Neill	2	4	2016-11-01	Female	(0118) 327 1619	811-351 Non St.
9	9	Velma J. Mckenzie	3	1	1989-05-02	Male Female	076 6238 1120	3886 Morbi Rd.
10	10	Kyla X. Butler	2	4	2010-12-06	Female	056 5151 1169	Ap #181-5706 Frir
11	11	Herman V. Lindsey	3	4	1996-02-04	Female	055 7895 4567	809-5293 Hymena
12	12	Jacob Garner	2	2	2017-10-06	Female	0800 711410	P.O. Box 780, 451
13	13	Mechelle Trevino	4	3	2006-12-24	Male Female	0808 385 4861	1812 Phasellus St
14	14	Kim T. Herrera	3	1	2017-09-03	Male Female	070 6938 1619	604-5156 Ipsum. S
15	15	Cassandra Nolan	4	2	1994-10-26	Female	0311 967 5729	P.O. Box 633, 7514
16	16	Calvin D. Boyd	2	1	2004-10-12	Male Female	0851 752 4542	400-1416 Augue F

Total rows: 299 of 299 | Query complete 00:00:00.170 | Ln 3, Col 26

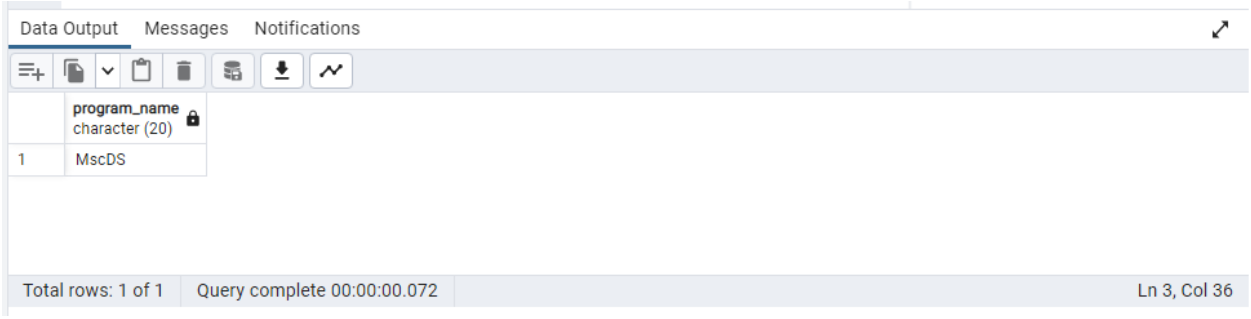
10. How many student currently enrolled in MscIT program.

```
select count(*) as total_in_MSCIT
from student
where program_id in (select program_id
                     from programs
                     where program_name='MscIT')
```



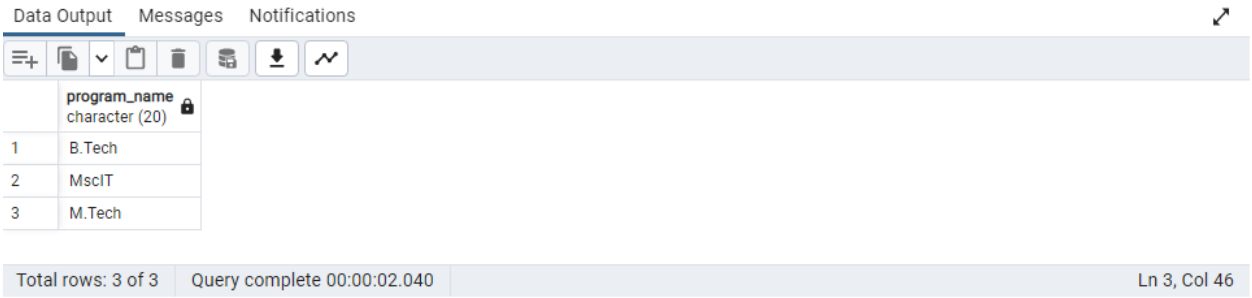
11. List the program which introduced in year 2022.

```
select program_name
from programs
where extract(year from since)=2020
```



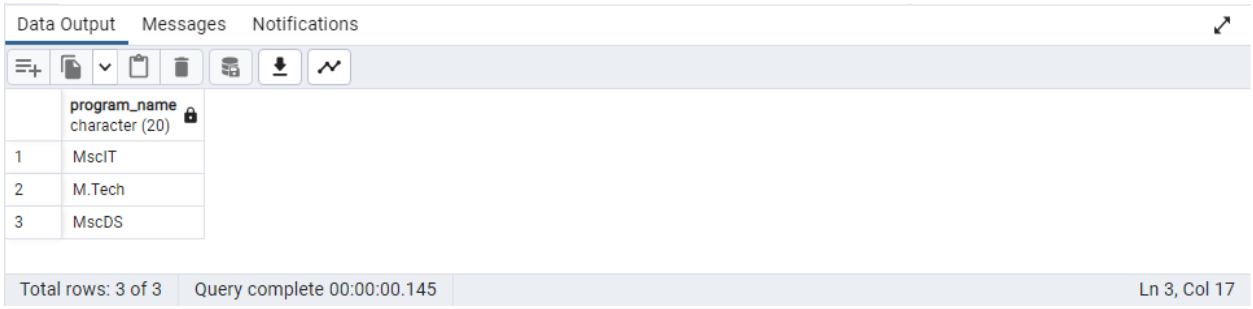
12. List the program which introduced 5 year ago from current date.

```
select program_name
from programs
where since<(current_date-interval '5' year))
```



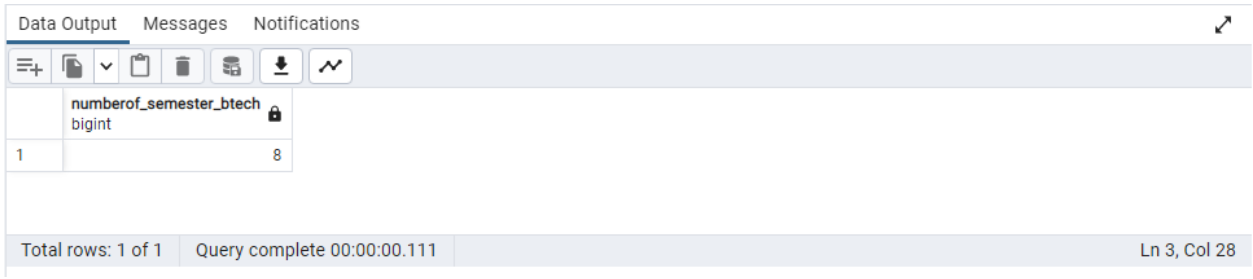
13. List the program which is 2 year long.

```
select program_name
from programs
where duration=2
```



14. How many number of semester in B.Tech program?

```
select (duration*2) as NumberOf_Semester_BTECH
from programs
where program_name='B.Tech'
```



15. List name of volunteers from MscIT program.

```
select vname
from volunteers
where sid in (select sid
                        from student
                        where program_id in (select program_id
                                                        from programs
                                                        where
program_name='MscIT'))
```

Data Output | Messages | Notifications

	vname character (40)
1	Coby Martin
2	Lucian Shannon
3	Imelda Robles
4	Nola O'connor
5	Odysseus Donovan
6	Acton Kinney
7	Shafira Burris
8	Erasmus Davis
9	Renee Callahan
10	Jordan Cooley
11	Caesar Owens
12	Kato Pollard
13	Orson Reed
14	Quynn Atkins
15	Aurelia Schneider
16	Garrett Dixon
17	Maxwell Harvey

Total rows: 22 of 22 | Query complete 00:00:00.092 | Ln 7, Col 38

16. Count the number of volunteers of Synapse event.

```
select count(*) as volunteer_synapse
from volunteers
where event_id in (select event_id
                   from event
                   where event_name='Synapse')
```

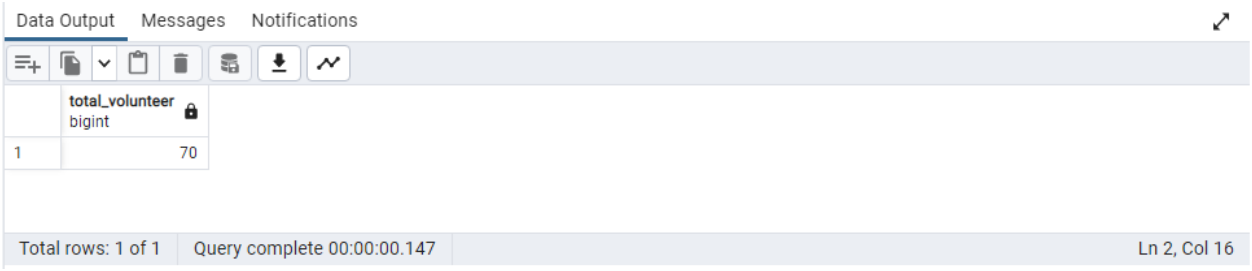
Data Output | Messages | Notifications

	volunteer_synapse bigint
1	10

Total rows: 1 of 1 | Query complete 00:00:00.114 | Ln 5, Col 34

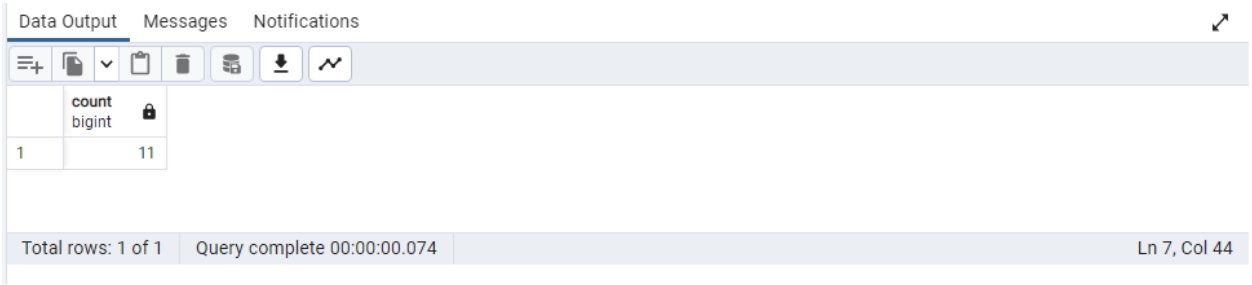
17. Show total number of volunteers.

```
select count(*) as Total_volunteer
from volunteers
```



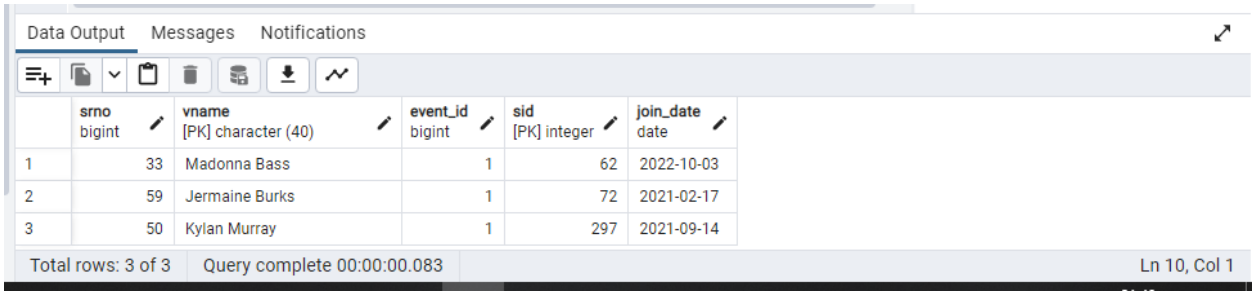
18. How many volunteers who are in Btech program and also female.

```
select count(*)
from volunteers
where sid in (select sid
                    from student
                    where gender='Female' and program_id in (select program_id

        from programs

        where program_name='B.Tech'))
```



19. Show volunteer information who is part of Cultural event from last 2 year.

```
select *
from volunteers
where join_date <=current_date and join_date >=(current_date-interval '2' year)
and
event_id in (select event_id
                    from event
                    where event_name='Cultural')
```



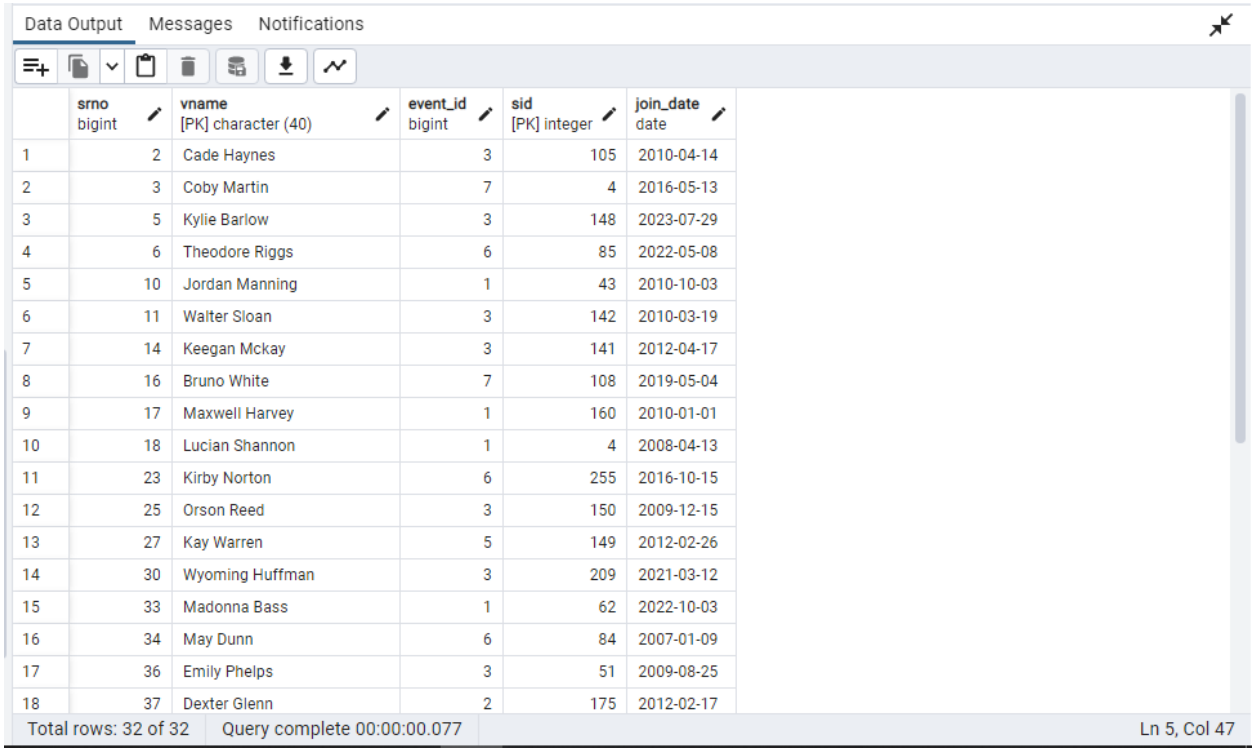
Data Output | Messages | Notifications

	srno bigint	vname [PK] character (40)	event_id bigint	sid [PK] integer	join_date date
1	33	Madonna Bass	1	62	2022-10-03
2	59	Jermaine Burks	1	72	2021-02-17
3	50	Kylan Murray	1	297	2021-09-14

Total rows: 3 of 3 | Query complete 00:00:00.083 | Ln 10, Col 1

20. List volunteers who's age is greater than 21.

```
select *
from volunteers
where sid in (select distinct sid
                    from student
                    where dob<current_date-interval '21' year)
```



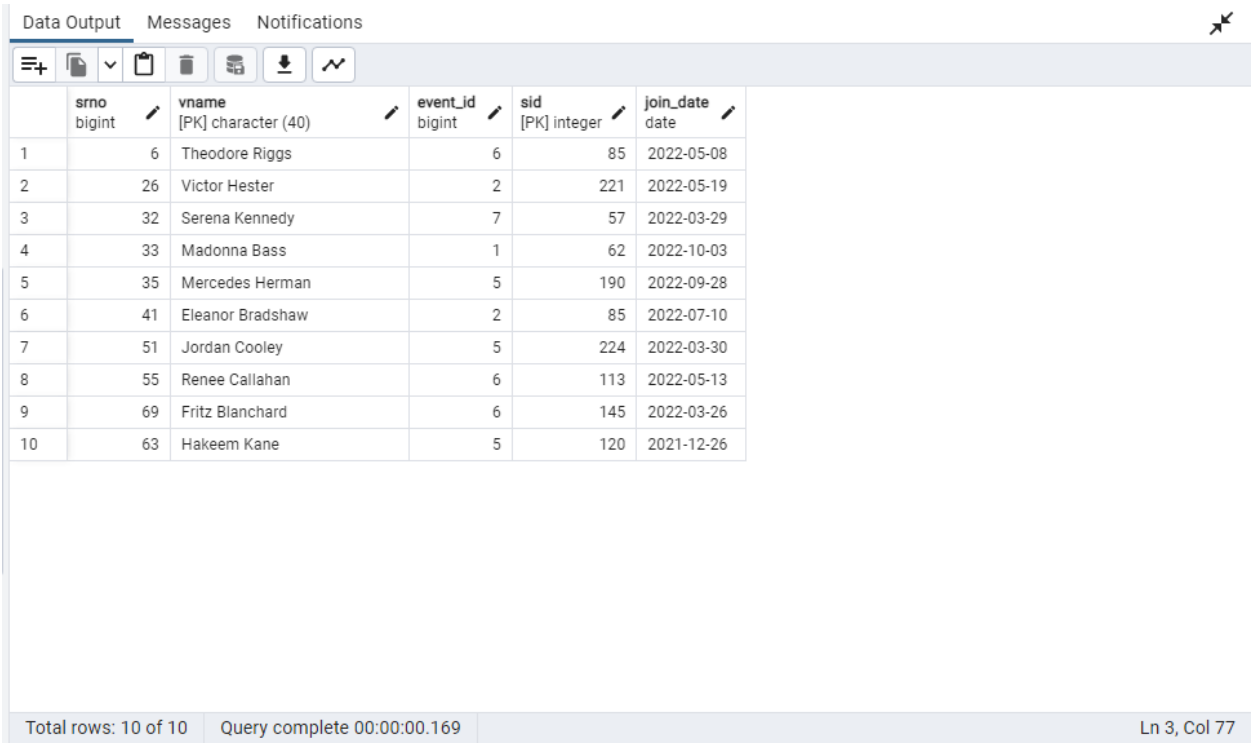
Data Output | Messages | Notifications

	srno bigint	vname [PK] character (40)	event_id bigint	sid [PK] integer	join_date date
1	2	Cade Haynes	3	105	2010-04-14
2	3	Coby Martin	7	4	2016-05-13
3	5	Kylie Barlow	3	148	2023-07-29
4	6	Theodore Riggs	6	85	2022-05-08
5	10	Jordan Manning	1	43	2010-10-03
6	11	Walter Sloan	3	142	2010-03-19
7	14	Keegan Mckay	3	141	2012-04-17
8	16	Bruno White	7	108	2019-05-04
9	17	Maxwell Harvey	1	160	2010-01-01
10	18	Lucian Shannon	1	4	2008-04-13
11	23	Kirby Norton	6	255	2016-10-15
12	25	Orson Reed	3	150	2009-12-15
13	27	Kay Warren	5	149	2012-02-26
14	30	Wyoming Huffman	3	209	2021-03-12
15	33	Madonna Bass	1	62	2022-10-03
16	34	May Dunn	6	84	2007-01-09
17	36	Emily Phelps	3	51	2009-08-25
18	37	Dexter Glenn	2	175	2012-02-17

Total rows: 32 of 32 | Query complete 00:00:00.077 | Ln 5, Col 47

21. List volunteers who joined 1 year ago.

```
select *
from volunteers
where join_date>= current_date-interval '1' year and join_date<=current_date
```



Data Output | Messages | Notifications

	srno bigint	vname [PK] character (40)	event_id bigint	sid [PK] integer	join_date date
1	6	Theodore Riggs	6	85	2022-05-08
2	26	Victor Hester	2	221	2022-05-19
3	32	Serena Kennedy	7	57	2022-03-29
4	33	Madonna Bass	1	62	2022-10-03
5	35	Mercedes Herman	5	190	2022-09-28
6	41	Eleanor Bradshaw	2	85	2022-07-10
7	51	Jordan Cooley	5	224	2022-03-30
8	55	Renee Callahan	6	113	2022-05-13
9	69	Fritz Blanchard	6	145	2022-03-26
10	63	Hakeem Kane	5	120	2021-12-26

Total rows: 10 of 10 | Query complete 00:00:00.169 | Ln 3, Col 77

22. List all the event which happened till now.

```
select *
from event
where date<current_date
```

Data Output | Messages | Notifications

	event_id [PK] bigint	event_name character (50)	date date	venue character (20)
1	1	Cultural	2022-10-01	SEC
2	2	Sport	2000-12-20	SEC
3	3	Ifest	2021-01-01	CEP
4	4	Political	2021-07-15	CEP
5	5	Annual	2021-02-12	CANTEEN
6	6	Technical	2022-11-05	CEP
7	7	Synapse	2021-05-21	SEC

Total rows: 7 of 7 | Query complete 00:00:00.184 | Ln 4, Col 1

23. List all upcoming events.

```
select *
from event
where date>current_date
```

Data Output | Messages | Notifications

	event_id [PK] bigint	event_name character (50)	date date	venue character (20)
1	8	ifest2	2023-10-10	SEC

Total rows: 1 of 1 | Query complete 00:00:00.077 | Ln 4, Col 1

24. Display events which placed in oct.month.

```
select *
from event
where EXTRACT(MONTH FROM date) = 10
```

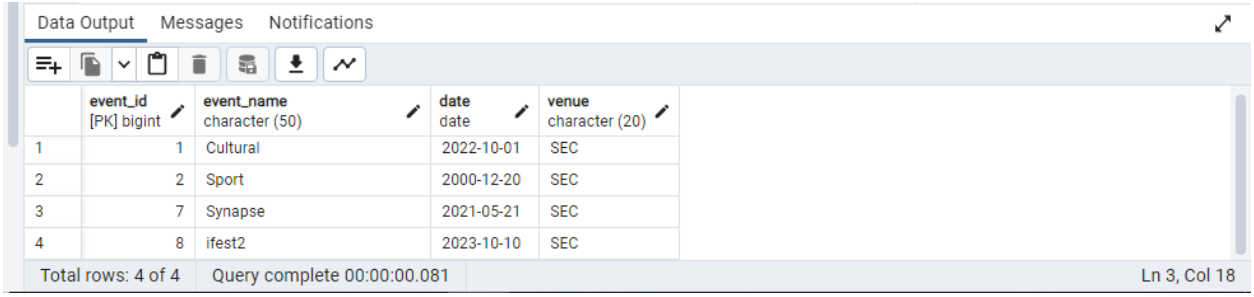
Data Output | Messages | Notifications

	event_id [PK] bigint	event_name character (50)	date date	venue character (20)
1	1	Cultural	2022-10-01	SEC
2	8	ifest2	2023-10-10	SEC

Total rows: 2 of 2 | Query complete 00:00:00.183 | Ln 4, Col 1

25. Display name of event which organized at college ground(SEC).

```
select event_name
from event
where venue='SEC'
```



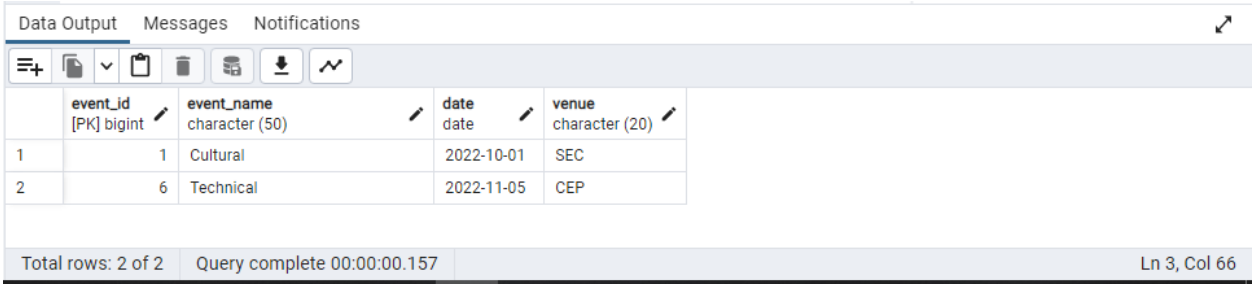
Data Output | Messages | Notifications

	event_id [PK] bigint	event_name character (50)	date date	venue character (20)
1	1	Cultural	2022-10-01	SEC
2	2	Sport	2000-12-20	SEC
3	7	Synapse	2021-05-21	SEC
4	8	ifest2	2023-10-10	SEC

Total rows: 4 of 4 | Query complete 00:00:00.081 | Ln 3, Col 18

26. How many events occurred from 6 month ago to till now.

```
select *
from event
where date<current_date and date>current_date-interval '6 months'
```



Data Output | Messages | Notifications

	event_id [PK] bigint	event_name character (50)	date date	venue character (20)
1	1	Cultural	2022-10-01	SEC
2	6	Technical	2022-11-05	CEP

Total rows: 2 of 2 | Query complete 00:00:00.157 | Ln 3, Col 66

27. Display event manager information who are currently serving.

```
select *
from event_manager
where till_date>=current_date
```

Data Output | Messages | Notifications

	srno bigint	manager_name [PK] character (50)	from_date date	till_date date	sid [PK] bigint	event_id bigint
1	1	Leigh Camacho	2020-01-16	2023-08-18	114	6
2	2	Joy Robertson	2021-11-02	2023-06-07	107	4
3	3	Cole Hensley	2009-06-13	2023-02-11	100	6
4	4	Erasmus Richardson	2023-03-25	2022-12-25	100	1
5	5	Calvin Floyd	2021-08-28	2023-05-05	105	2
6	6	Karyn Vazquez	2009-12-23	2023-03-06	87	7
7	7	Claire Dejesus	2011-07-03	2023-08-18	116	2
8	8	Jakeem Pugh	2023-11-03	2023-08-05	79	3
9	9	Zoe Alexander	2020-06-19	2023-09-01	90	5
10	10	Kitra Keith	2019-08-21	2023-06-19	89	2
11	11	Brenda Dalton	2009-08-01	2023-11-05	101	2
12	12	Jackson Dickerson	2021-09-11	2023-07-25	96	6
13	13	Wyatt Cummings	2020-01-25	2023-05-08	84	4
14	14	Daphne Vasquez	2012-02-13	2023-03-26	84	5
15	15	Deirdre Lindsay	2013-09-26	2023-02-04	90	6
16	16	Elliott Velazquez	2013-09-15	2023-03-25	87	4
17	17	Tara Ramos	2017-10-12	2023-09-27	106	6

Total rows: 18 of 18 | Query complete 00:00:01.353 | Ln 4, Col 1

28. Count manager of Synapse event.

```
select count(*) as event_manager_Synapse
from event_manager
where event_id in (select event_id
                   from event
                   where event_name='Synapse')
```

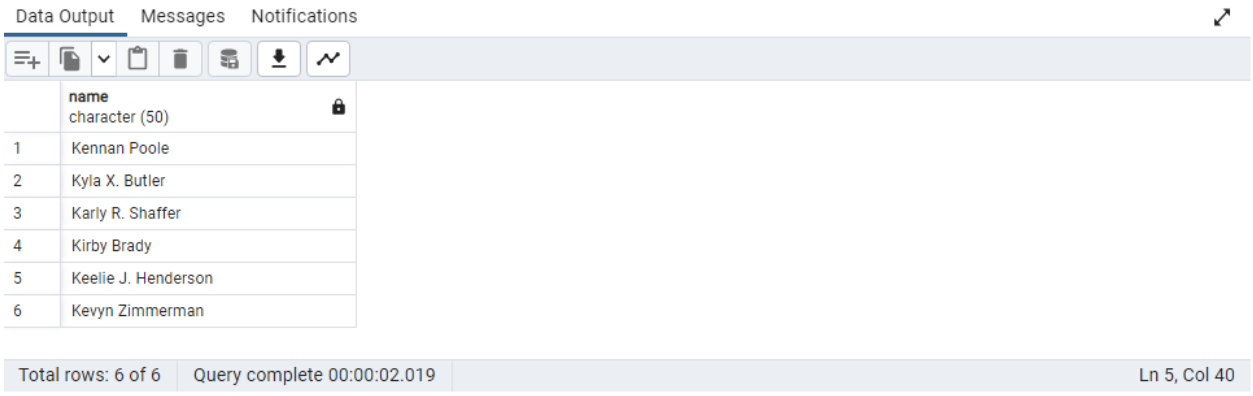
Data Output | Messages | Notifications

	event_manager_synapse bigint
1	1

Total rows: 1 of 1 | Query complete 00:00:02.033 | Ln 5, Col 32

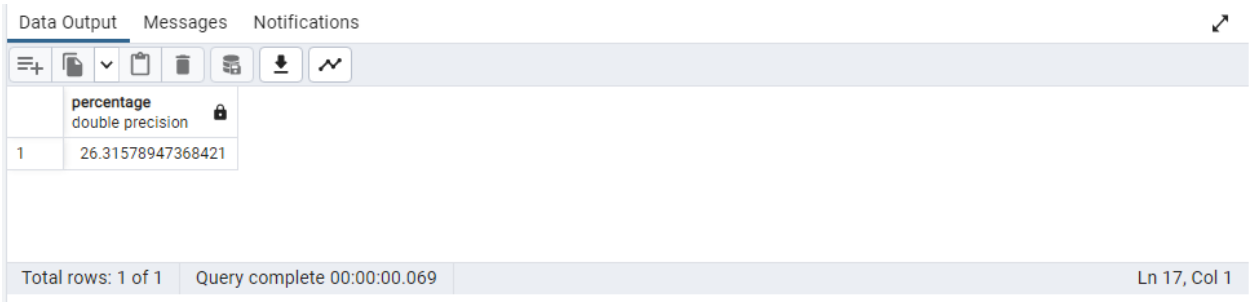
29. Display name of student where first letter of their name is “K” and also part of MscIT program.

```
select name
from student
where name like 'K%' and program_id in (select program_id
                                        from programs
                                        where
program_name='MscIT')
```



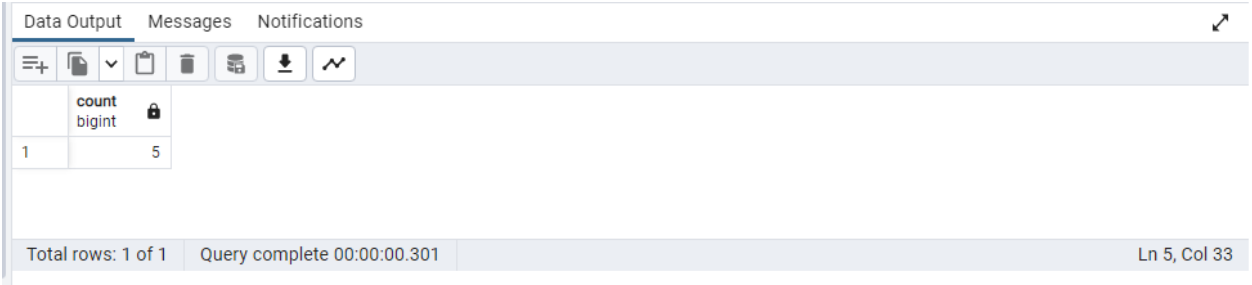
30. Number of percentage that shows involvement of MScIT program as event manager.

```
select (((x.number/y.number::DOUBLE PRECISION )  * 100) ) AS PERCENTAGE
from
(
select count(*) as number
from event_manager
where sid in (select distinct sid
                        from student
                        where program_id in (select program_id
                                             from programs
                                             where program_name='MscIT'))
)x
join
(
        select count(*) as number
        from event_manager
)y on 1=1
```



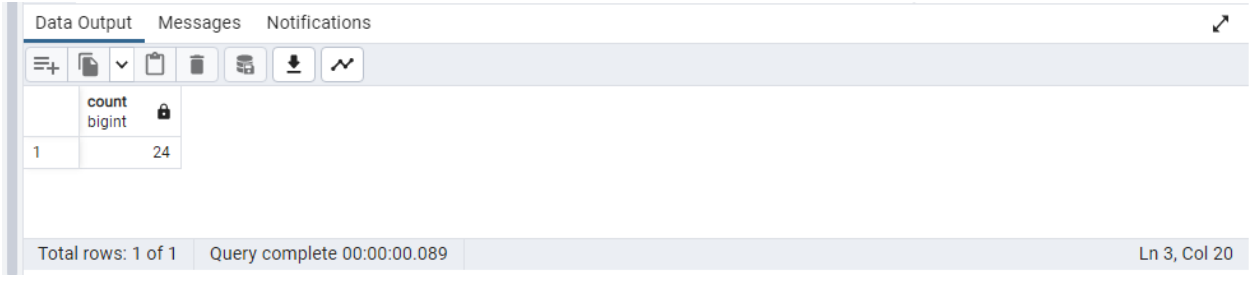
31. How many team has participated in Sport event.

```
select count(*)
from team
where event_id in (select event_id
                   from event
                   where event_name='Sport')
```



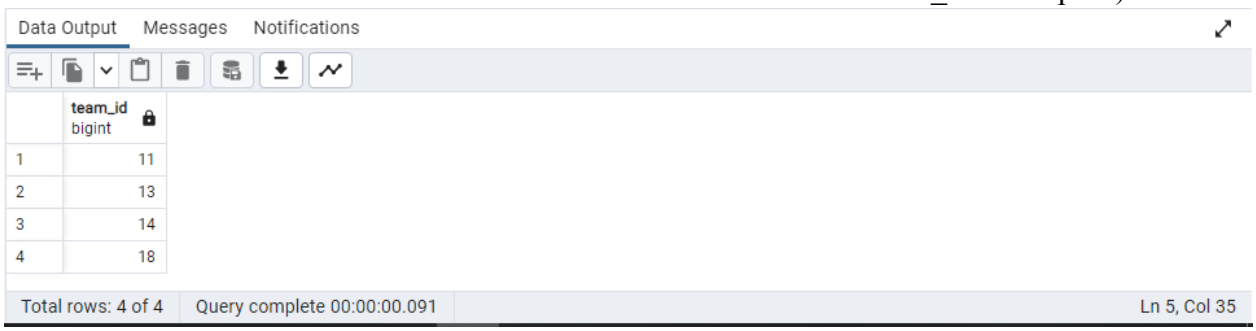
32. Count number of team who have 3 member in it.

```
select count(*)
from team
where team_number=3
```



33. List team id who is winner of sport event.

```
select team_id
from team
where iswinner=1 and event_id in (select event_id
                                  from event
                                  where event_name='Sport')
```



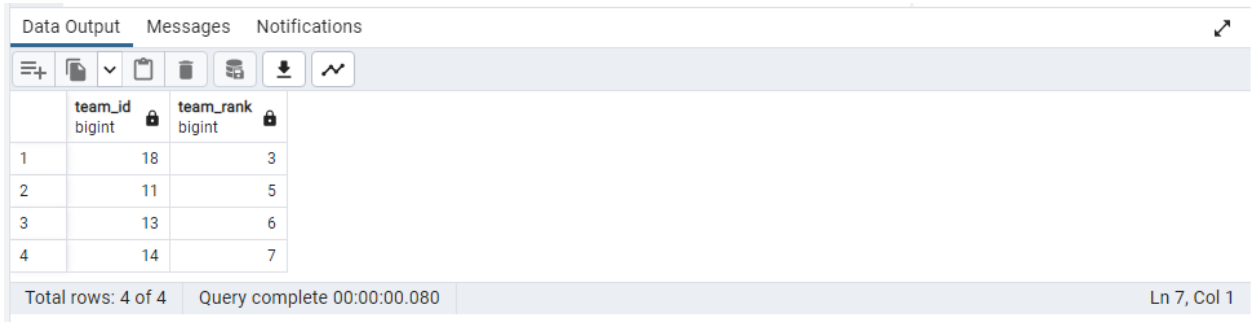
Data Output | Messages | Notifications

	team_id bigint
1	11
2	13
3	14
4	18

Total rows: 4 of 4 | Query complete 00:00:00.091 | Ln 5, Col 35

34. Show winner team's detail rank wise in Sport event.

```
select team_id,team_rank
from team
where iswinner=1 and event_id in (select event_id
                                  from event
                                  where event_name='Sport')
order by team_rank
```



Data Output | Messages | Notifications

	team_id bigint	team_rank bigint
1	18	3
2	11	5
3	13	6
4	14	7

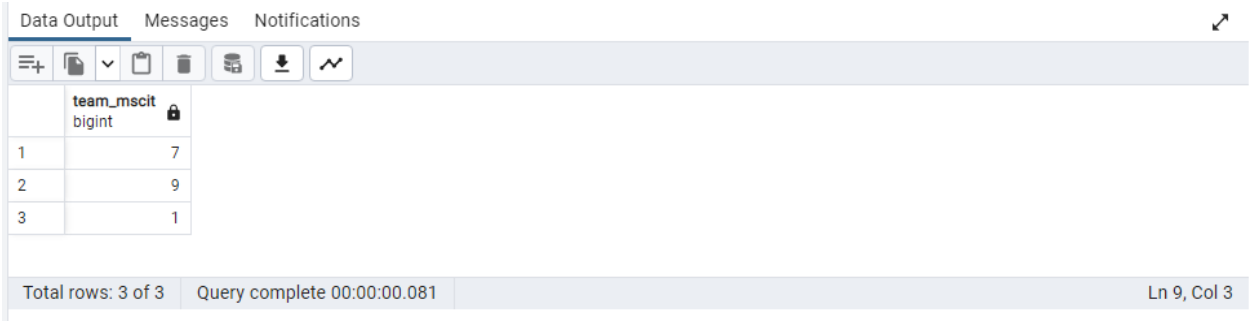
Total rows: 4 of 4 | Query complete 00:00:00.080 | Ln 7, Col 1

35. How many teams from MscIT 1st year?

```
select team_id as team_MSCIT
from team
where sid in (select sid
                    from student
                    where (((semester)/2)+(semester%2))=1 and program_id in (select
program_id
```

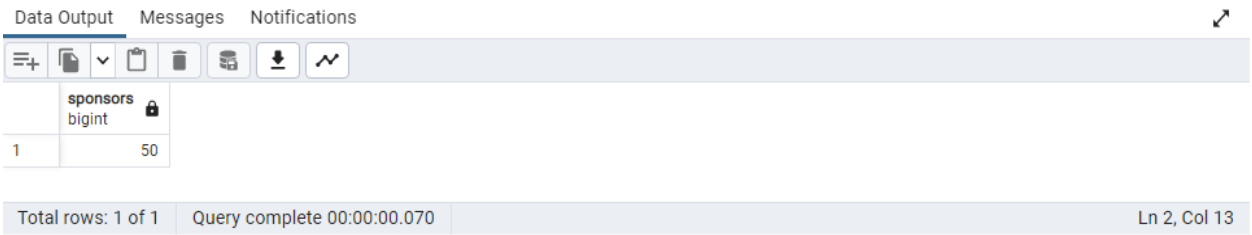
from programs

where program_name='MscIT'))



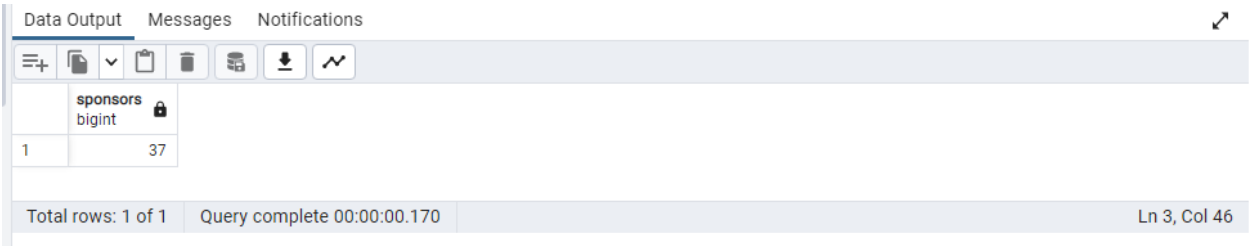
36. How many sponsors participating this year?

```
select count(*) as Sponsors
from sponsor
```



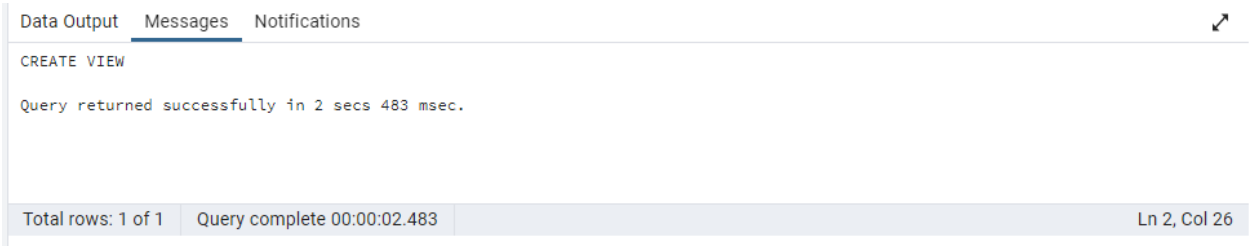
37. Sponsors which participating from last 3 year.

```
select count(*) as Sponsors
from sponsor
where since<current_date-interval '36 months'
```

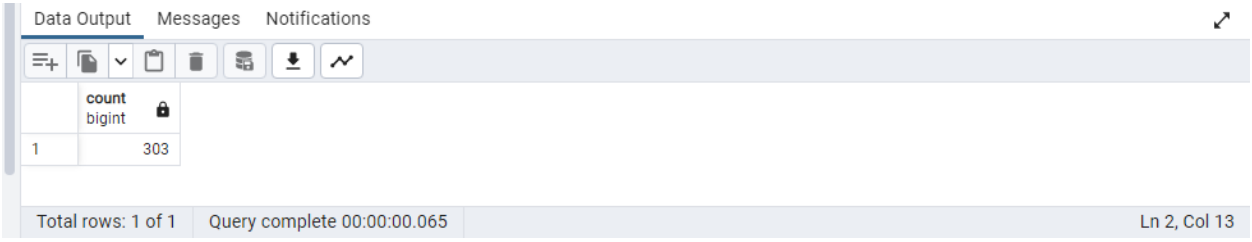


38. Create view of sponsors and check after manipulation.

```
CREATE VIEW studentInfo
AS SELECT * FROM student;
```

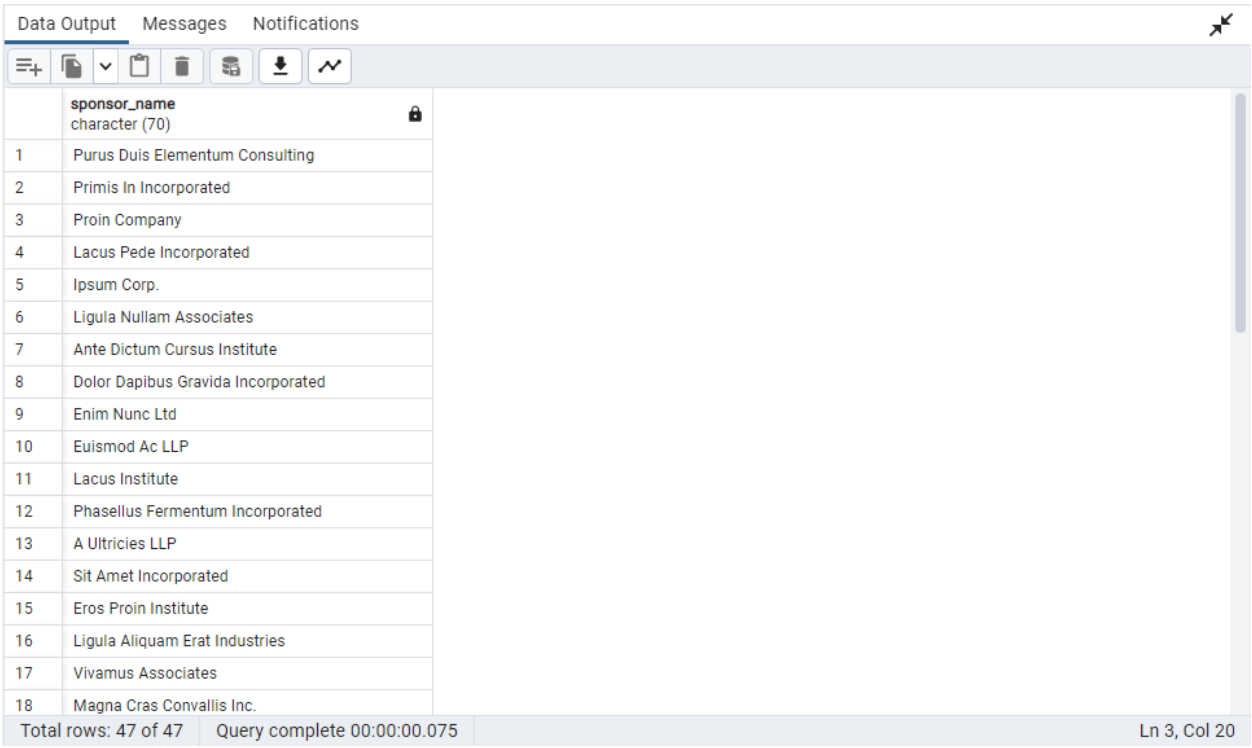



```
insert into studentInfo
Values
(302,'Prince',1,1,'2001-11-11','Male',9898989898,'"address"','"gujarat"','2019-11-11',1),
(303,'Ganga',1,1,'2000-12-11','Female',8989898989,'"address"','"gujarat"','2010-09-11',1);

select count(*)
from student
```



39. List sponsors who sponsoring amount greater than 100000.

```
select sponsor_name
from sponsor
where amount>100000
```



Data Output | Messages | Notifications

	sponsor_name character (70)
1	Purus Duis Elementum Consulting
2	Primis In Incorporated
3	Proin Company
4	Lacus Pede Incorporated
5	Ipsum Corp.
6	Ligula Nullam Associates
7	Ante Dictum Cursus Institute
8	Dolor Dapibus Gravida Incorporated
9	Enim Nunc Ltd
10	Euismod Ac LLP
11	Lacus Institute
12	Phasellus Fermentum Incorporated
13	A Ultricies LLP
14	Sit Amet Incorporated
15	Eros Proin Institute
16	Ligula Aliquam Erat Industries
17	Vivamus Associates
18	Magna Cras Convallis Inc.

Total rows: 47 of 47 | Query complete 00:00:00.075 | Ln 3, Col 20

40. Find number of sponsors who sponsored amount less than 500000 in 2021 year.

```
select *
from sponsor
where amount<500000 and since<=current_date
```

Data Output | Messages | Notifications

	sponsor_id [PK] bigint	sponsor_name character (70)	amount bigint	since date
1	1	Purus Duis Elementum Consulting	187690	2014-06-14
2	2	Primis In Incorporated	253049	2018-03-28
3	6	Ligula Nullam Associates	211064	2012-03-07
4	7	Morbi Sit Amet PC	84841	2012-05-17
5	11	Euismod Ac LLP	158171	2022-06-11
6	12	Lacus Institute	233498	2017-11-04
7	14	A Ultricies LLP	394145	2019-08-20
8	16	Eros Proin Institute	240945	2012-09-20
9	18	Vivamus Associates	320099	2016-10-03
10	21	Aenean Eget Foundation	146201	2010-11-29
11	22	Sed Nulla LLC	335159	2020-10-16
12	24	Dapibus Gravida Aliquam Foundation	309903	2021-04-11
13	35	Augue Industries	153098	2018-07-22
14	36	Mollis Non Cursus Limited	232645	2013-11-19
15	38	Ligula Elit LLP	389494	2021-03-04
16	40	Ac Limited	275405	2018-01-07
17	44	Libero Corp.	60402	2022-08-24
18	45	Eget Inc.	374293	2021-05-06

Total rows: 20 of 20 | Query complete 00:00:00.083 | Ln 3, Col 44

41. Name company detail who sponsored maximum amount in 2022.

```
select *
from sponsor
where amount = (select max(amount)
                from sponsor)
select *
from sponsor
where amount = (select max(amount)
                from sponsor)
```

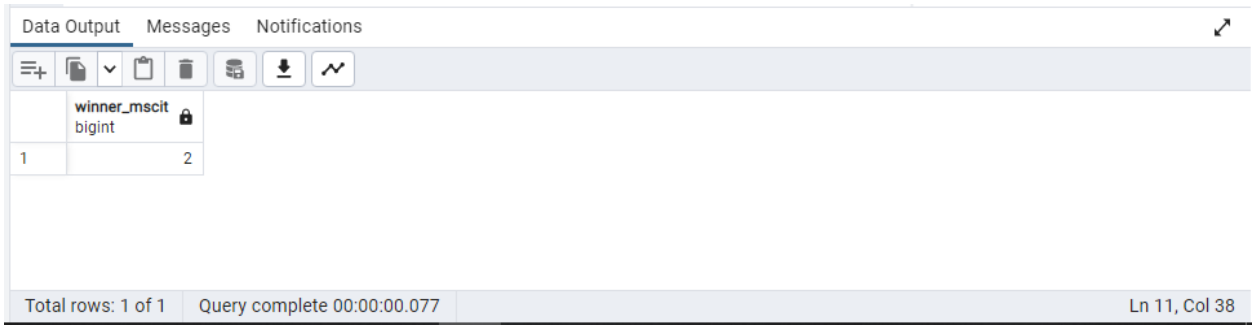
Data Output | Messages | Notifications

	sponsor_id [PK] bigint	sponsor_name character (70)	amount bigint	since date
1	17	Ligula Aliquam Erat Industries	954806	2020-06-08

Total rows: 1 of 1 | Query complete 00:00:00.184 | Ln 4, Col 20

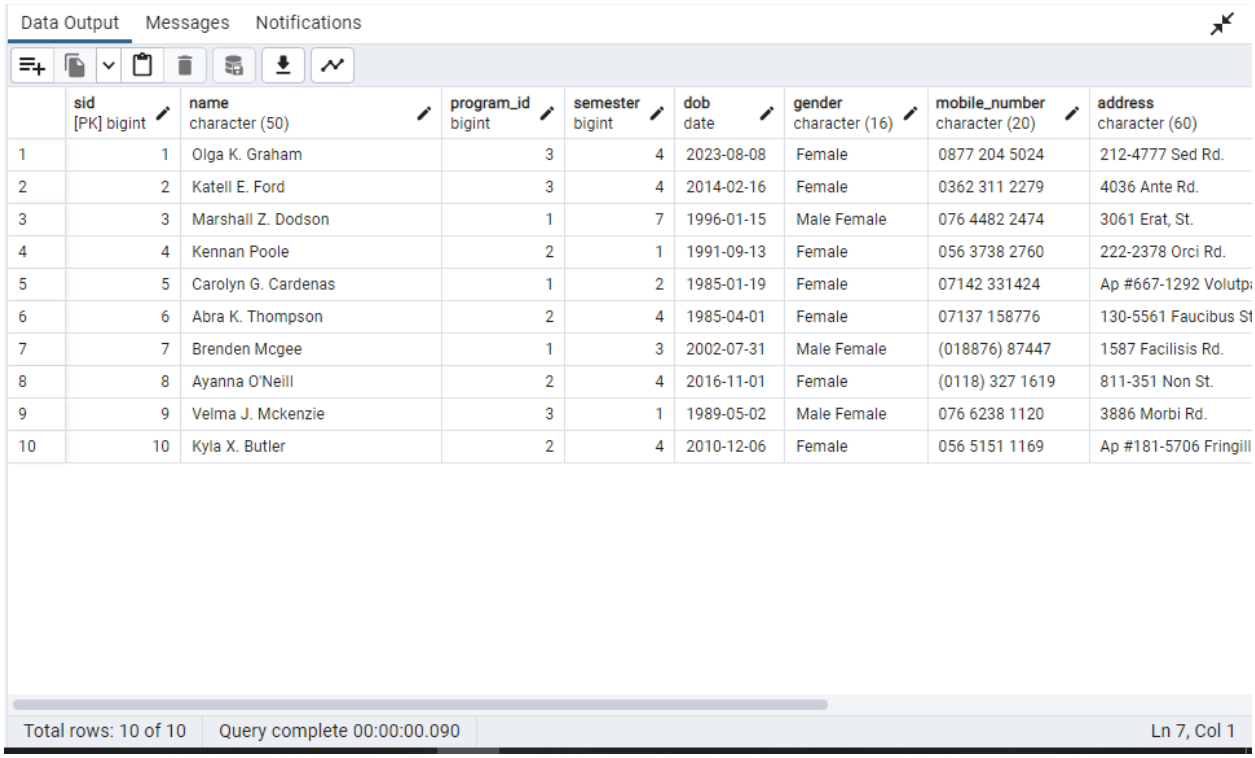
42. How many sport winner team are from MscIT program.

```
select count(*) as winner_MSCIT
from team
where iswinner=1 and event_id in (select event_id
                                  from event
                                  where event_name='Sport')
and
sid in (select sid
        from student
        where program_id in (select program_id
                             from programs
                             where program_name='MscIT'))
```



43. Show only 10 student who studies in DAIICT.

```
select *
from student
where college_id in (select college_id
                     from college
                     where college_name='DAIICT')
limit 10
```



Data Output | Messages | Notifications

	sid [PK] bigint	name character (50)	program_id bigint	semester bigint	dob date	gender character (16)	mobile_number character (20)	address character (60)
1	1	Olga K. Graham	3	4	2023-08-08	Female	0877 204 5024	212-4777 Sed Rd.
2	2	Katell E. Ford	3	4	2014-02-16	Female	0362 311 2279	4036 Ante Rd.
3	3	Marshall Z. Dodson	1	7	1996-01-15	Male Female	076 4482 2474	3061 Erat, St.
4	4	Kennan Poole	2	1	1991-09-13	Female	056 3738 2760	222-2378 Orci Rd.
5	5	Carolyn G. Cardenas	1	2	1985-01-19	Female	07142 331424	Ap #667-1292 Volutpa
6	6	Abra K. Thompson	2	4	1985-04-01	Female	07137 158776	130-5561 Faucibus St
7	7	Brenden Mcgee	1	3	2002-07-31	Male Female	(018876) 87447	1587 Facilisis Rd.
8	8	Ayanna O'Neill	2	4	2016-11-01	Female	(0118) 327 1619	811-351 Non St.
9	9	Velma J. Mckenzie	3	1	1989-05-02	Male Female	076 6238 1120	3886 Morbi Rd.
10	10	Kyla X. Butler	2	4	2010-12-06	Female	056 5151 1169	Ap #181-5706 Fringill

Total rows: 10 of 10 | Query complete 00:00:00.090 | Ln 7, Col 1

44. Show which sponsors sponsoring which event

```
select sponsor_name,event_name
from sponsor s1
inner join sponsoring r1
on r1.sponsor_id=s1.sponsor_id
inner join event e1
on e1.event_id=r1.event_id
```

Data Output | Messages | Notifications

	sponsor_name character (70)	event_name character (50)
1	Aliquet Ltd	Annual
2	Enim Nunc Ltd	Sport
3	Sed Nulla LLC	Sport
4	Ligula Nullam Associates	Political
5	Morbi Sit Amet PC	Synapse
6	Massa Incorporated	Political
7	Sit Amet Incorporated	Political
8	Sed Nulla LLC	Ifest
9	Ligula Aliquam Erat Industries	Sport
10	Ante Dictum Cursus Institute	Technical
11	Lacus Pede Incorporated	Political
12	A Ultricies LLP	Annual
13	Vivamus Associates	Sport
14	Eget Inc.	Synapse
15	Ipsum Sodales Purus LLP	Annual
16	Elit Erat Corp.	Synapse
17	Libero Corp.	Cultural

Total rows: 40 of 40 | Query complete 00:00:01.991 | Ln 6, Col 27

45. List event which is approved by Admin

```
select event_name
from event e
join approving a
on a.event_id= e.event_id
```

Data Output | Messages | Notifications

	event_name character (50)
1	Sport
2	Ifest
3	Political
4	Annual
5	Technical

Total rows: 5 of 5 | Query complete 00:00:00.157 | Ln 4, Col 26