**Task2**

**Project: Student Database Management System-**

**TASK 2: 1)**

CREATE DATABASE Student\_Database;

CREATE TABLE Student\_Table (

Student\_id INT PRIMARY KEY,

Stu\_name TEXT,

Department TEXT,

Email\_id TEXT,

Phone\_no NUMERIC,

Address TEXT,

Date\_of\_birth DATE,

Gender TEXT,

Major TEXT,

GPA NUMERIC,

Grade TEXT

);

**TASK 2: 2)**

INSERT INTO Student\_Table (Student\_id, Stu\_name, Department, Email\_id, Phone\_no, Address, Date\_of\_birth, Gender, Major, GPA, Grade)

VALUES (1, 'Mangesh Raghuvan', 'Geography', 'mangeshraghuvan@gmail.com', 123, '123 Anand nagar', '1994-01-01', 'M', 'Physical Geography', 7.4, 'B'),

(2, 'Hema Raghuvan', 'Physics', 'hemaraghuvan@gmail.com', 234, '234 Arvind Soc.', '1995-02-02', 'F', 'Experimental Physics', 7.6, 'B'),

(3, 'Neha Sonawane', 'English', 'nehasonawane@gmail.com', 345, '345 Arvind Soc.', '1994-03-03', 'F', 'Technical Writing', 9.9, 'A'),

(4, 'Rohan Raghuvan', 'Economics', 'rohanraghuvan@gmail.com', 456, '456 Anand nagar', '1996-04-04', 'M', 'Health Economics', 7.5, 'B'),

(5, 'Sai Kumar', 'Biology', 'saikumar@gmail.com', 890, '890 Arvind Soc.', '1992-05-05', 'M', 'Microbiology', 9.7, 'A'),

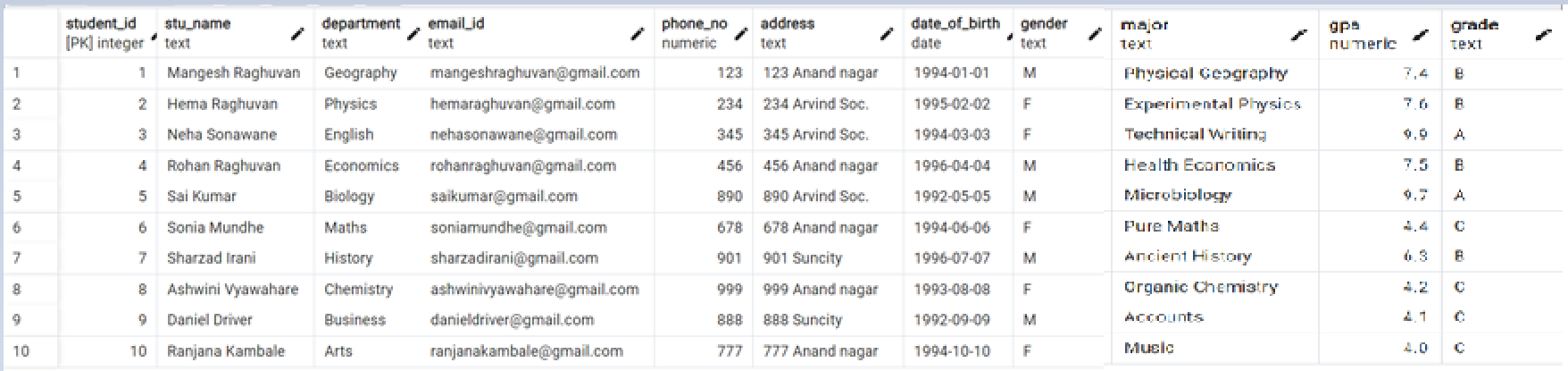
(6, 'Sonia Mundhe', 'Maths', 'soniamundhe@gmail.com', 678, '678 Anand nagar', '1994-06-06', 'F', 'Pure Maths', 4.4, 'C'),

(7, 'Sharzad Irani', 'History', 'sharzadirani@gmail.com', 901, '901 Suncity', '1996-07-07', 'M', 'Ancient History', 6.3, 'B'),

(8, 'Ashwini Vyawahare', 'Chemistry', 'ashwinivyawahare@gmail.com', 999, '999 Anand nagar', '1993-08-08', 'F', 'Organic Chemistry', 4.2, 'C'),

(9, 'Daniel Driver', 'Business', 'danieldriver@gmail.com', 888, '888 Suncity', '1992-09-09', 'M', 'Accounts', 4.1, 'C'),

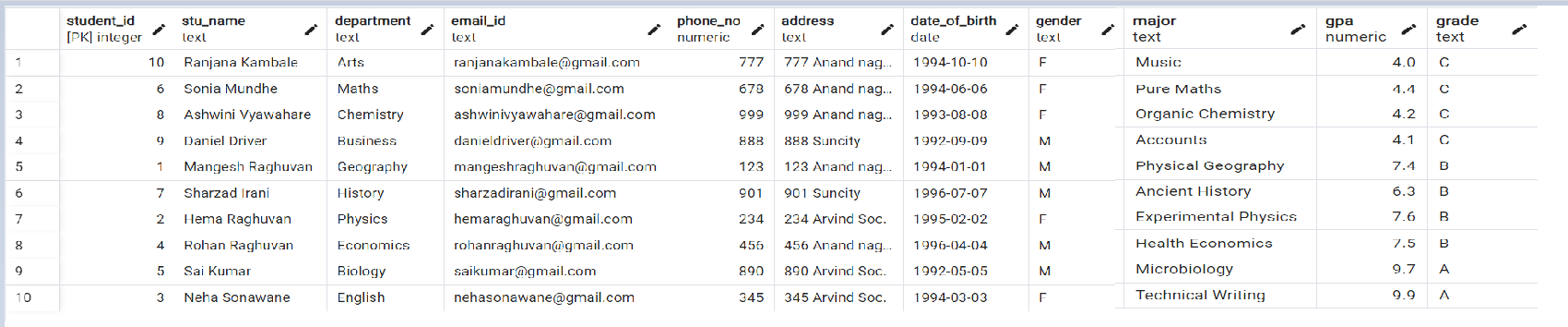
(10, 'Ranjana Kambale', 'Arts', 'ranjanakambale@gmail.com', 777, '777 Anand nagar', '1994-10-10', 'F', 'Music', 4.0, 'C');



**TASK 2: 3)**

Select \* from Student\_Table

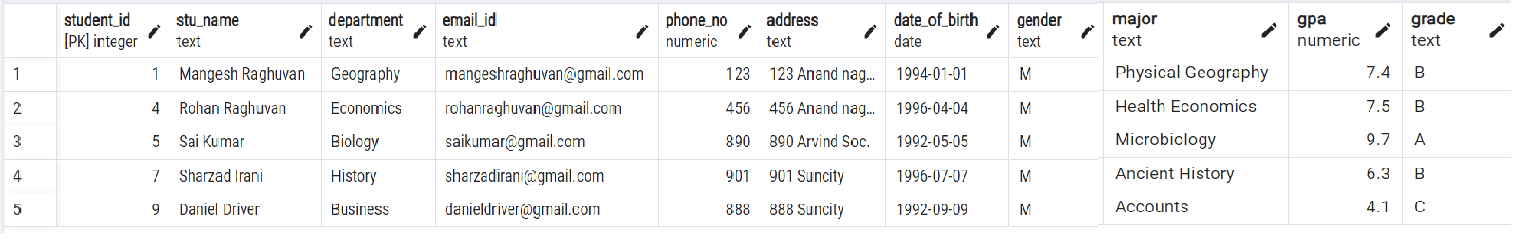
Order by Grade Desc;



**TASK 2: 4)**

Select \* from Student\_Table

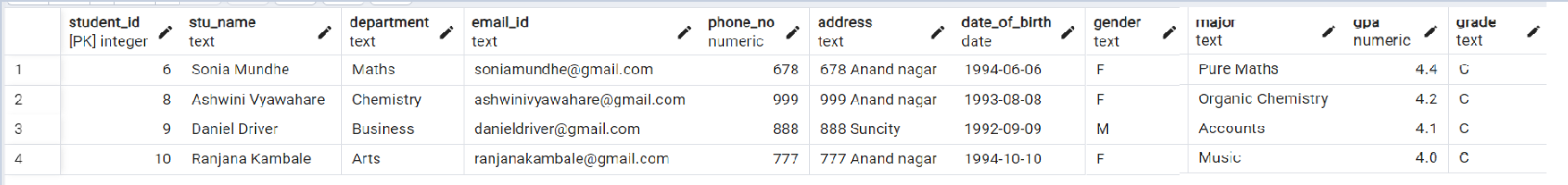
Where Gender = 'M';



**TASK 2: 5)**

Select \* from Student\_Table

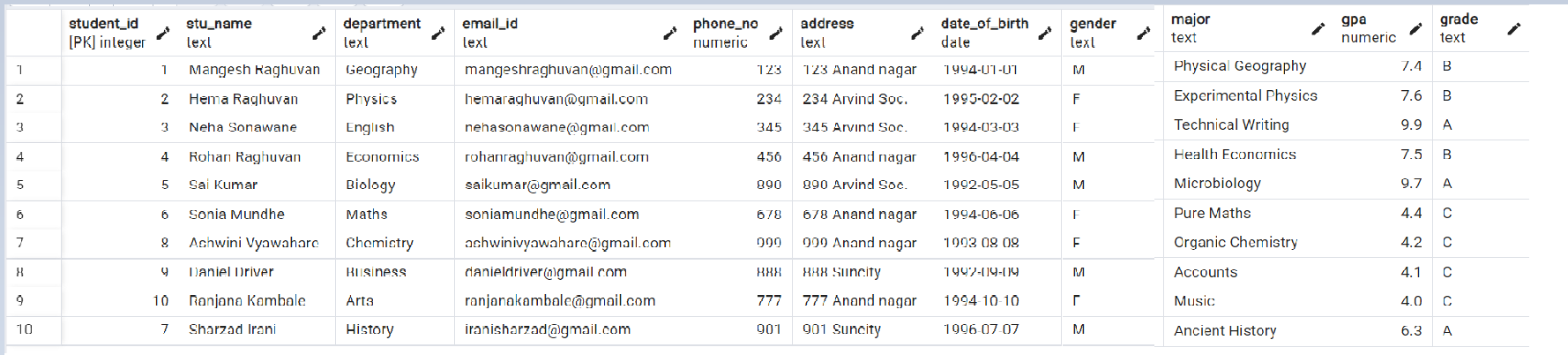
Where GPA < 5.0;



**TASK 2: 6)**

Update Student\_Table SET Email\_id = 'iranisharzad@gmail.com', Grade = 'A' Where Student\_id = 7;

Select \* from Student\_Table;

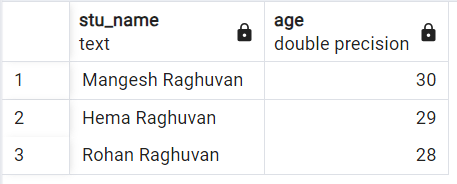


**TASK 2: 7)**

SELECT Stu\_name, Date\_Part('year', Age(Date\_Of\_Birth)) AS Age

FROM Student\_table

Where Grade = 'B';

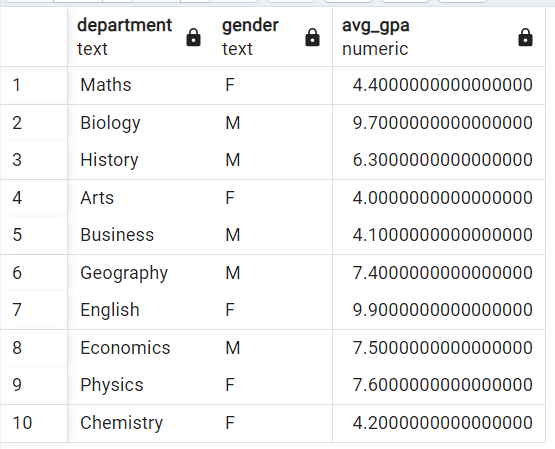


**TASK 2: 8)**

Select Department, Gender, AVG(GPA) AS Avg\_GPA

From Student\_Table

Group By Department, Gender;



**TASK 2: 9)**

ALTER TABLE Student\_Table RENAME TO Student\_Info;

SELECT \* FROM Student\_info;

**TASK 2: 10)**

Select \* from Student\_Info

Order By GPA DESC

LIMIT 1;

OR

Select \* from Student\_Info

Where GPA = (Select MAX(GPA)from Student\_Info);

