

- 1) Physical education department in the university is taken the responsible for training their students on various skills. They conduct some small programs to their students. For that purpose they maintain **university** database with following two tables.

Registration (used for registration to the students to follow programs)

structure for the Registration table and sample data are as follows.

Field Name	Field Type	Field Size
stu_no	char	6
p_id	char	6
Days	Int	

stu_no	p_id	days
st001	P24	3
st002	P15	12
st003	P11	8
St004	P15	12
St005	P31	9

Program (used to store program data)

structure for the **Program** table and sample data are as follows.

p_id – program code (primary key)

p_name – program name

start_date – starting date of particular program

location – venue of particular program

p_id	p_name	start_date	location
P11	Leadership	2023-05-15	Gymnasium
P15	English Language	2023-07-10	Seminar Room
P22	Drama	2023-01-20	Auditorium
P24	Media	2023-08-18	Media Unit
P31	Electronics	2023-07-01	Physics Lab
P35	Tamil Language	2023-12-05	

- 1) According to the information given above, write the appropriate sql commands.
- a) Create the database called university. (5 marks)
- b) Create the program table according to the given structure. (15 marks)
- c) Display the names of tables in the current database. (5 marks)

- d) Insert first record to the program table. (10 marks)
- e) Retrieve the information's stored in Registration table. (5 marks)
- f) Display the program id and program names conducted by the Seminar Room. (5 marks)
- g) Retrieve the program names starting with letter E. (5 marks)
- h) Get the student numbers who follows the program more than 10 days. (5 marks)
- i) Change the location of the Electronic program as Electronic lab. (5 marks)
- j) Using sub queries, retrieve the student numbers and program id, who follows the English language as a program. (10 marks)
- k) Display the program names where the location is not known. (5 marks)
- l) Some programs are starting before the August. Display that programs according to the descending order. (10 marks)
- m) Delete the records stored in the Registration table and after that delete the table form the database. (10 marks)