Week-7

Hands on Lab Questions

1. Table: Students

Student_ID	Firstname	Lastname	Age	Gender	Grade
1	Rakesh	Shrestha	19	Male	A
2	Binita	Bhandari	21	Female	В
3	Bobby	Sherpa	20	Male	С
4	Sagar	Parajuli	22	Male	A
5	Prajina	KC	21	Female	В

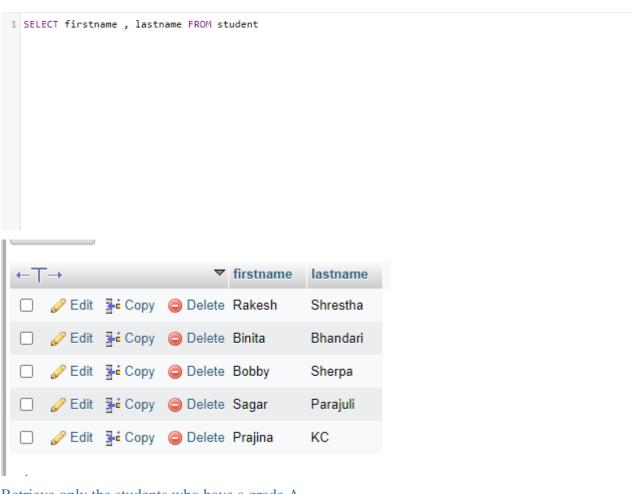
Queries:

a. Retrieve all data from the Students Table

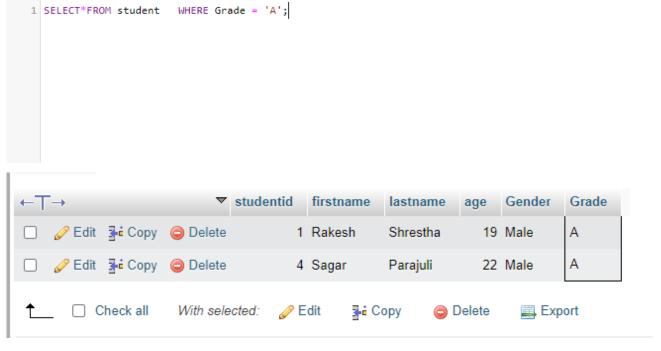
```
1 SELECT * FROM student
```

←T	\rightarrow		~	studentid	firstname	e lastnam	e age	Gender	Grade
	<i> </i>	≩- Сору	Delete	1	Rakesh	Shrestha	19	Male	Α
	<i>⊘</i> Edit	≩- Сору	Delete	2	Binita	Bhandar	i 21	female	В
	<i> ⊗</i> Edit	≩- Сору	Delete	3	Bobby	Sherpa	20	Male	С
	Edit	≩ сору	Delete	4	Sagar	Parajuli	22	Male	Α
	Edit	≩ сору	Delete	5	Prajina	KC	21	female	В
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b. Retrieve first name and last name of all students



c. Retrieve only the students who have a grade A



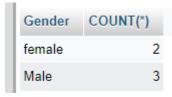
d. Retrieve only the students who are older than 20.

```
1 SELECT * FROM student WHERE age > 20;
```



e. Retrieve the count of male and female students

```
1 SELECT Gender , COUNT(*) FROM student GROUP by Gender;
```



f. Update the grade of a specific student (e.g. StudentID=3)

```
1 UPDATE student SET Grade = 'B' WHERE studentid = 3;
```

g. Increment the age of all male students by 1

```
1 UPDATE student SET age = age + 1 WHERE Gender = 'Male';

$\sqrt{3}$ rows affected. (Query took 0.0014 seconds.)

UPDATE student SET age = age + 1 WHERE Gender = 'Male';
```

h. Update the grade of all female students who have a grade of 'B' to 'A'

```
1 UPDATE student SET Grade = 'A' WHERE Gender = 'Female' AND Grade = 'B';

2 rows affected. (Query took 0.0012 seconds.)

UPDATE student SET Grade = 'A' WHERE Gender = 'Female' AND Grade = 'B';
i.
```