Assignment 3

Q1. The Student Table (creating MySQL database)

Submit your SQL command for the following questions.

- (a) Create a new MySQL database and name the database as assignment_3.
- (b) Create a new table named **Student** with the following fields:

Key	Index	Null	Unique	Column Name	Data Type	Size
٧	٧		٧	StudentID	CHAR	9
				StudentName	VARCHAR	30
				Gender	CHAR	1
				Program	CHAR	1

NOTE:

- **Gender** field holds <u>F</u> (Female) or <u>M</u> (Male).
- Program field holds <u>J</u> (Software Engineering), <u>R</u> (Networking) or <u>B</u> (Bioinformatics).
- (c) Insert records below into the **Student** table.

StudentID	Name	Gender	Program
A21EC0001	Ahmad	M	J
A21EC0002	Siti	F	В
A21EC0003	Muhammad	M	R
A21EC0004	Nurul	F	В
A21EC0005	Farid	M	R
A21EC0006	Aishah	F	J

Q2. <u>List Student – Version 1</u> (selecting records)

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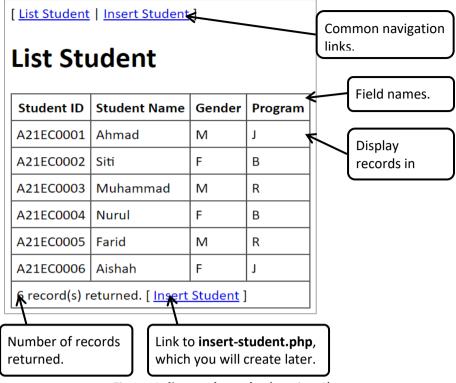
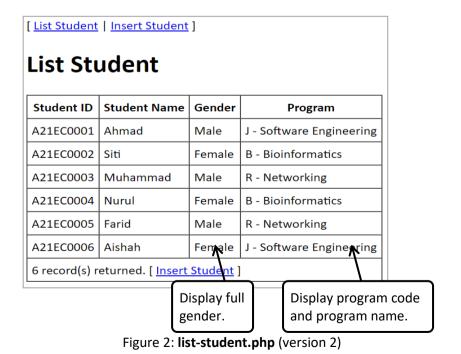


Figure 1: list-student.php (version 1)

With reference to **Figure 1**, create the PHP page **list-student.php**. <u>Select</u> and <u>display</u> all **Student** records in an HTML table. In addition, display the <u>number of records</u> <u>returned</u> at the last row.

Q3. List Student – Version 2 (selecting records)



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Modify **list-student.php** so that **Gender** and **Program** field will be displayed as <u>full</u> <u>descriptions</u> rather than code (refer to **Figure 2**).

Q4. <u>Insert Student</u> (inserting records)

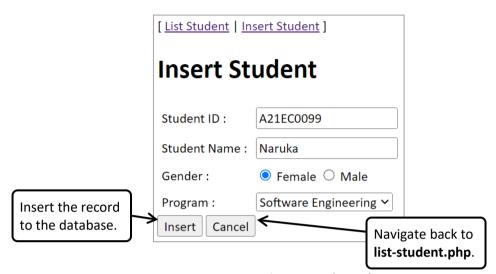


Figure 3: insert-student.php

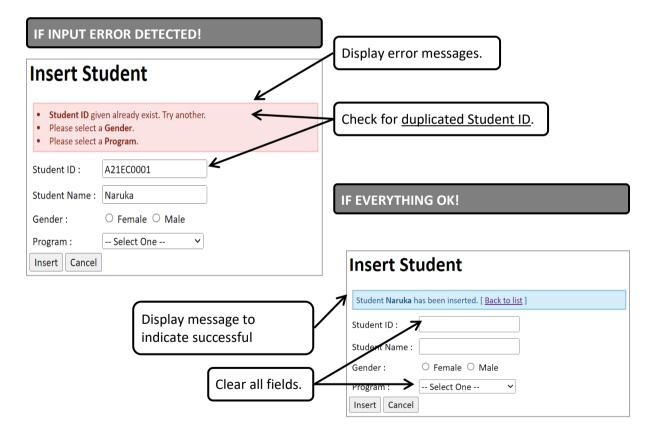


Figure 4: insert-student.php

Create the <u>form</u> **insert-student.php** (as shown at **Figure 3**) so that users can insert new records to the **Student** table. You should perform the necessary <u>input</u>

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<u>validations</u> (including checking for <u>duplicated Student ID</u>) before the insertion taken place. Display meaningful message in case of input error as well as successful insertion (refer to **Figure 4**).

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