

# PROFESSIONAL DEVELOPMENT PROGRAMMES – SLIIT

## WEB DEVELOPMENT PROGRAM

### FINAL PROJECT

Q2 )

iv )

A.

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the 'Object Explorer' with the 'Final Project' database selected. The right pane shows the 'SQLQuery1.s...MPATH (70)' window with the query `SELECT * FROM Student;` executed. The 'Results' tab shows a table with 6 rows and 4 columns: StudentID, Name, City, and CourseID. The status bar at the bottom indicates 'Query executed successfully.' and '6 rows'.

StudentID	Name	City	CourseID
1	Kasun Gamage	Kandy	2
2	Daniel Sam	Jaffna	3
3	Hansi Silva	Colombo	1
4	Ranidu Heath	Matara	3
5	Praneeth Wijesinghe	Kandy	4
6	Nuwani Herath	Rathnapura	1

B.

The screenshot shows the SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure for 'LAPTOP-HK7V2RKO (SQL Server 16.0.1140.6 - LA)'. The main window shows a query window with the following SQL statement:

```
1 SELECT StudentId,Name,City FROM Student WHERE City = 'Kandy';
```

The query results are displayed in a table with the following data:

StudentId	Name	City
1	Kasun Gamage	Kandy
5	Praneeth Wijesinghe	Kandy

The status bar at the bottom indicates 'Query executed successfully.' and '2 rows'.

C.

The screenshot shows the SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure for 'LAPTOP-HK7V2RKO (SQL Server 16.0.1140.6 - LA)'. The main window shows a query window with the following SQL statements:

```
1 UPDATE Student SET City = 'Galle' WHERE StudentId = 4;  
2 SELECT * FROM Student;
```

The query results are displayed in a table with the following data:

StudentID	Name	City	CourseID
1	Kasun Gamage	Kandy	2
2	Daniel Sam	Jaffna	3
3	Hansi Silva	Colombo	1
4	Ranidu Heath	Galle	3
5	Praneeth Wijesinghe	Kandy	4
6	Nuwani Herath	Rathnapura	1

The status bar at the bottom indicates 'Query executed successfully.' and '6 rows'.

D.

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left-hand pane shows the 'Object Explorer' with a tree view of the database structure for 'LAPTOP-HK7V2RKO (SQL Server 16.0.1140.6 - LA)'. The tree includes 'Databases', 'System Databases', 'Database Snapshots', 'Final Project', 'Database Diagrams', 'Tables', 'System Tables', 'FileTables', 'External Tables', 'Graph Tables', 'dbo.Course', 'dbo.Student', 'Dropped Ledger Tables', 'Views', 'External Resources', 'Synonyms', 'Programmability', 'Query Store', 'Service Broker', 'Storage', 'Security', 'Server Objects', 'Replication', 'Always On High Availability', 'Management', 'SQL Server Agent (Agent XPs disabled)', and 'XE Event Profiler'.

The right-hand pane shows the 'SQLQuery1.s...MPATH (70)' query window. The query text is: `SELECT * FROM Student INNER JOIN Course ON Student.CourseId = Course.CourseId;`

Below the query window, the 'Results' tab is active, displaying a table with 6 rows and 7 columns. The columns are: StudentID, Name, City, CourseID, CourseID, Name, and LecturerName. The data is as follows:

StudentID	Name	City	CourseID	CourseID	Name	LecturerName
1	Kasun Gamage	Kandy	2	2	Graphic Design	J.S.V. Piyasena
2	Daniel Sam	Jaffna	3	3	Mobile App Development	K.K.S. Dias
3	Hansi Silva	Colombo	1	1	Web Development	M.M. Herath
4	Ranidu Heath	Galle	3	3	Mobile App Development	K.K.S. Dias
5	Praneeth Wijesinghe	Kandy	4	4	Java	U.H.S. Perera
6	Nuwani Herath	Rathnapura	1	1	Web Development	M.M. Herath

The status bar at the bottom indicates 'Query executed successfully.' and 'LAPTOP-HK7V2RKO (16.0 RTM) | LAPTOP-HK7V2RKO\P.K.V... Final Project | 00:00:00 | 6 rows'.