



PROJECT TITLE

PROGRAMMING BASICS WEBSITE

Submitted To:

Prof. Ashir

Department of Computer Science

Submitted By:

Name: Muhammad Walli Ullah. 2025-CS-474

Muhammad Hasnain Khalid. 2025-CS-462

Muhammad Zeeshan Ahmed. 2025-CS-451

Class / Section: C

Subject: AICT Lab

Database (SQL – Theoretical)

Project: Programming Basics Website

Database Name

programming_basics_db

Tables Used

1. students – stores student information
2. courses – stores course information
3. contact_messages – stores contact form messages

CREATE TABLE Queries

```
CREATE TABLE students (  
    student_id INT PRIMARY KEY,  
    name VARCHAR(50),  
    email VARCHAR(100)  
);
```

```
CREATE TABLE courses (  
    course_id INT PRIMARY KEY,  
    course_name VARCHAR(50),  
    level VARCHAR(20)  
);
```

```
CREATE TABLE contact_messages (  
    message_id INT PRIMARY KEY,  
    name VARCHAR(50),  
    email VARCHAR(100),  
    message TEXT  
);
```

INSERT Queries

```
INSERT INTO students VALUES (1,'Ali Khan','ali@example.com');  
INSERT INTO students VALUES (2,'Sara Ahmed','sara@example.com');
```

```
INSERT INTO courses VALUES (1,'Introduction to Programming','Beginner');  
INSERT INTO courses VALUES (2,'Basics of Python','Beginner');
```

```
INSERT INTO contact_messages VALUES (1,'Hamza','hamza@example.com','I want to learn  
programming basics.');
```

```
INSERT INTO contact_messages VALUES (2,'Ayesha','ayesha@example.com','Please guide me about beginner courses.');
```

SELECT Queries

```
SELECT * FROM students;  
SELECT * FROM courses;  
SELECT * FROM contact_messages;
```

UPDATE Queries

```
UPDATE students SET email='ali.newemail@example.com' WHERE student_id=1;  
UPDATE courses SET level='Intermediate' WHERE course_id=2;  
UPDATE contact_messages SET email='ayesha.correct@example.com' WHERE  
message_id=2;
```

DELETE Queries

```
DELETE FROM students WHERE student_id=2;  
DELETE FROM courses WHERE course_id=2;  
DELETE FROM contact_messages WHERE message_id=1;
```