



# PROJECT TITLE

## PROGRAMMING BASICS WEBSITE

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**Submitted To:**

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**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;
```