Name: Avijit Chowdhury

Email: Chowdhuryavijit333@gmail.com

**Answer to Quest. NO: 1&2**

CREATE TABLE student(

Roll VARCHAR(5) PRIMARY KEY,

Name VARCHAR(15) NOT NULL,

Email VARCHAR(30) UNIQUE,

Address VARCHAR(20) NOT NULL,

Age INT CHECK(Age<15)

);

CREATE TABLE Library(

BookName VARCHAR(30) PRIMARY KEY,

WHohiredroll CHAR(5),

FOREIGN KEY (WHohiredroll) REFERENCES student(Roll)

);

CREATE TABLE fees(

AmountPaid CHAR(10) PRIMARY KEY,

PaidAmountRoll VARCHAR(30) NOT NULL,

FOREIGN KEY (PaidAmountRoll) REFERENCES student(Roll)

);

**Answer to the Quest. No:3**

| Data | Information |
| --- | --- |
| 1. Unorganized | 1. Organized |
| 1. Meaningless | 2) Has meanings |
| 1. Lacks context | 3) Has Context |
| 1. Used in multipurpose | 4) Used in meaningful purposes |

**Answer to the Quest. No:4**

That error occurred because of sql\_safe update settings.

-- Updating name

SET SQL\_SAFE\_UPDATES = 0;

UPDATE Student

SET Name='Avijit Chowdhury'

WHERE Roll='1001';

SET SQL\_SAFE\_UPDATES = 1;

-- delete

SET SQL\_SAFE\_UPDATES = 0;

DELETE FROM Student

WHERE Roll = '1001';

SET SQL\_SAFE\_UPDATES = 1;

**Ans. to the Quest. No: 5**

SELECT DISTINCT Department FROM Employee

**Ans. to the Quest. No: 6**

SELECT LastName FROM Employee ORDER BY Age DESC

**Ans. to the Quest. No: 7**

SELECT LastName FROM Employee WHERE Age > 30 AND Department=’Marketing’

**Ans. to the Quest. No: 8**

SELECT \* FROM Employee

**Ans. to the Quest. No: 9**

SELECT \* FROM Employee WHERE Name LIKE %son%

**Ans. to the Quest. No: 10**

SELECT \* FROM Employee WHERE Department= ‘Engineering’