Assignment-1 Solution

```
1 And 2):
```

3)

```
CREATE TABLE Student
  Roll CHAR(6),
  Name VARCHAR(60) NOT NULL,
  Email VARCHAR(60),
  Address VARCHAR(255),
  Age INT,
  Constraint pk roll PRIMARY KEY(Roll),
  Constraint unique_mail UNIQUE(Email),
  Constraint check age CHECK(Age > 16)
);
CREATE TABLE Library
  BookName VARCHAR(60) PRIMARY KEY,
  Hired_Roll CHAR(6),
  FOREIGN KEY (Hired_Roll) REFERENCES Student(Roll)
);
CREATE TABLE Fees
  ID VARCHAR(50) PRIMARY KEY,
  Bal ID CHAR(6),
  Balance DOUBLE NOT NULL,
  FOREIGN KEY (Bal_ID) REFERENCES Student(Roll)
);
```

Data	Information
Raw and unprocessed facts.	Processed, organized, and meaningful data.
Does not depend on information.	Depends on data.
Example: I, 20, Have, Pens.	I have 20 pens.

- 4) In mySQL does't permitted DELETE/UPDATE. Because safe mode is on, when we face this problem then we write this code "SET SQL_SAFE_UPDATES = 0;" to solve this.
- 5)
 SELECT DISTINCT Department
 FROM Employee;

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6)
  SELECT LastName
  FROM Employee
  ORDER BY Age DESC;
7)
  SELECT LastName
  FROM Employee
  WHERE Age > 30 AND Department = 'Marketing';
8)
  SELECT *
  FROM Employee;
9)
  SELECT *
  FROM Employee
  WHERE FastName LIKE '%son%' OR LastName LIKE '%son%';
10)
  SELECT *
  FROM Employee
  WHERE Department = 'Marketing';
```