

Database Management Assignment- 01

Answer to the Question No : 1(A)

```
CREATE TABLE Student (  
  StudentID INT PRIMARY KEY,  
  Name VARCHAR(20),  
  Roll CHAR(5),  
  Marks DOUBLE  
);
```

1(B)

```
CREATE TABLE Library (  
  StudentID INT,  
  BookID INT PRIMARY KEY,  
  Bookname VARCHAR(100),  
  FOREIGN KEY (StudentID) REFERENCES Student(StudentID)  
);
```

1(C)

```
CREATE TABLE Fees (  
  StudentID INT,  
  Roll CHAR(5) PRIMARY KEY,  
  Amount INT,  
  FOREIGN KEY (StudentID) REFERENCES Student(StudentID)  
);
```

Answer to the Question No : 2

```
CREATE TABLE Student (  
  StudentID INT PRIMARY KEY,  
  Name VARCHAR(20) NOT NULL,  
  Roll CHAR(5) UNIQUE,  
  Marks DOUBLE CHECK (Marks >40)  
);
```

```
CREATE TABLE Library (  
  StudentID INT,  
  BookID INT PRIMARY KEY,
```

Bookname VARCHAR(50) NOT NULL,
FOREIGN KEY (StudentID) REFERENCES Student(StudentID)
);

CREATE TABLE Fees (
StudentID INT,
Roll CHAR(5) PRIMARY KEY,
Amount INT NOT NULL,
FOREIGN KEY (StudentID) REFERENCES Student(StudentID)
);

Answer to the Question No : 3

Data : Data refers to raw, unprocessed facts, symbols, or characters without context or meaning.

Example : Rohi, 102 , 10, 20, 0192195, habib

Information : Information is processed, organized, and structured data that has context, relevance, and meaning.

Example :

<u>Name</u>	<u>Roll</u>	<u>Phone</u>
habib	10	0196166
Rohi	20	0192195

Answer to the Question No : 4

Turn on safe mode when updating or deleting.

SET SQL_SAFE_UPDATE =1;

Turn off safe mode when it done.

SET SQL_SAFE_UPDATE =0;

Answer to the Question No : 5

```
SELECT DISTINCT Department  
FROM Employee;
```

Answer to the Question No : 6

```
SELECT LastName  
FROM Employee  
ORDER BY Age DESC;
```

Answer to the Question No : 7

```
SELECT LastName  
FROM Employee  
WHERE Age > 30 AND Department = 'Marketing';
```

Answer to the Question No : 8

```
SELECT *  
FROM Employee;
```

Answer to the Question No : 9

```
SELECT *  
FROM Employee  
WHERE LastName LIKE '%son%';
```

Answer to the Question No : 10

```
SELECT *  
FROM Employee  
WHERE Department = 'Engineering';
```