

```
Create database TIPSDB
drop database TIPSDB
```

```
USE TIPSDB
```

```
CREATE TABLE Faculty(
FacultyID INT NOT NULL ,
DepartementID INT,
FacultyName TEXT,
Description TEXT,
PRIMARY KEY (FacultyID),
FOREIGN KEY (DepartementID) REFERENCES Departements(DepartementID) ON DELETE CASCADE
)
```

```
CREATE TABLE Departements(
DepartementID INT NOT NULL ,
--TipFormID INT,
--DepartCourseID INT,
DepartementName TEXT,
Description TEXT ,
PRIMARY KEY (departementID),
--FOREIGN KEY (TipFormID) REFERENCES TipForm(TipFormID) ON DELETE CASCADE
)
```

```
CREATE TABLE Courses(
coursesID INT NOT NULL,
TipFormID INT,
coursesNo INT ,
coursesName TEXT,
Year NUMERIC ,
Description TEXT ,
PRIMARY KEY (coursesID),
--FOREIGN KEY (TipFormID) REFERENCES TipForm(TipFormID) ON DELETE CASCADE,
)
```

```
CREATE TABLE Depart_Course (
DepartCourseID INT NOT NULL,
CoursesID INT,
DepartementID INT,
PRIMARY KEY (DepartCourseID),
FOREIGN KEY (CoursesID) REFERENCES Courses(CoursesID) ON DELETE CASCADE,
FOREIGN KEY (DepartementID) REFERENCES Departements(DepartementID) ON DELETE CASCADE
)
```

```
CREATE TABLE TipForm(
TipFormID INT NOT NULL ,
Title TEXT,
AdminID INT,
CoursesID INT,
Description TEXT ,
DateAdded NUMERIC,
LastUpdated NUMERIC ,
```

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TotalResponses INT ,
--Status ENUM('new','active','pending','retired') DEFAULT 'new',
PRIMARY KEY (TipFormID),
FOREIGN KEY (CoursesID) REFERENCES Courses(CoursesID) ON DELETE CASCADE
)

```

```

CREATE TABLE questions(
QuestionID INT NOT NULL ,
TipFormID INT ,
Question TEXT ,
InputTypeID INT,
QOptionID INT,
Description TEXT ,
DateAdded NUMERIC,
LastUpdated NUMERIC ,
PRIMARY KEY (QuestionID),
INDEX TipFormID_index(TipFormID),
FOREIGN KEY (TipFormID) REFERENCES TipForm(TipFormID) ON DELETE CASCADE,
FOREIGN KEY (InputTypeID) REFERENCES InputType(InputTypeID) ON DELETE CASCADE,
FOREIGN KEY (QOptionID) REFERENCES QuestionOption(QOptionID) ON DELETE CASCADE
)

```

```

CREATE TABLE InputType (
--'checkbox','radio','select','text'
InputTypeID INT NOT NULL,
QuestionID INT,
InputTypeName TEXT,
INDEX QuestionID_index(QuestionID),
PRIMARY KEY (InputTypeID)
)

```

```

CREATE TABLE QuestionOption(
    QOptionID int NOT NULL,
    QOptionName INT,
    QuestionID INT,
    PRIMARY KEY (QOptionID),
    INDEX QuestionID_index(QuestionID)
)

```

```

);

```

```

CREATE TABLE answers(
AnswerID INT ,
QuestionID INT ,
Answer TEXT,
Description TEXT,
DateAdded NUMERIC,
LastUpdated NUMERIC,
Status INT ,
PRIMARY KEY (AnswerID),
INDEX QuestionID_index(QuestionID),
FOREIGN KEY (QuestionID) REFERENCES questions(QuestionID) ON DELETE CASCADE
);

```

```
CREATE TABLE Responses(  
  ResponseID INT,  
  TipFormID INT ,  
  DateAdded NUMERIC,  
  PRIMARY KEY (ResponseID),  
  INDEX TipFormID_index(TipFormID),  
  FOREIGN KEY (TipFormID) REFERENCES TipForm(TipFormID) ON DELETE CASCADE  
);
```

```
CREATE TABLE responses_answers(  
  RQID INT NOT Null,  
  ResponseID INT,  
  QuestionID INT,  
  AnswerID INT ,  
  PRIMARY KEY (RQID),  
  INDEX ResponseID_index(ResponseID),  
  FOREIGN KEY (ResponseID) REFERENCES responses(ResponseID) ON DELETE CASCADE  
)
```

```
CREATE TABLE Admin(  
  AdminID INT NOT NULL,  
  FirstName TEXT,  
  LastName TEXT,  
  Email TEXT,  
  AdminPW TEXT,  
  NumLogins INT,  
  DateAdded NUMERIC,  
)
```