| **Table** | **Create Table** |
| --- | --- |
| **building** | CREATE TABLE `building` (  `BID` varchar(5) NOT NULL,  `BName` varchar(30) NOT NULL,  PRIMARY KEY (`BID`) ) |
| **classroom** | CREATE TABLE `classroom` (  `BID` varchar(5) NOT NULL,  `CRNum` int(3) NOT NULL,  `CRName` varchar(10) NOT NULL,  `Floor` int(2) NOT NULL,  `CRType` varchar(10) NOT NULL,  `Capacity` int(4) NOT NULL,  PRIMARY KEY (`BID`,`CRNum`),  FOREIGN KEY (`BID`) REFERENCES `building` (`BID`) ON DELETE CASCADE ON UPDATE CASCADE ) |
| **college** | CREATE TABLE `college` (  `ColgID` int(2) NOT NULL AUTO\_INCREMENT,  `ColgName` varchar(50) NOT NULL,  `ColgDesc` text NOT NULL,  PRIMARY KEY (`ColgID`) ) |
| **course** | CREATE TABLE `course` (  `CID` varchar(6) NOT NULL,  `CName` varchar(70) NOT NULL,  `NoOfCredits` int(1) NOT NULL,  `CDesc` text NOT NULL,  `ProgID` int(2) NOT NULL,  PRIMARY KEY (`CID`),  FOREIGN KEY (`ProgID`) REFERENCES `program` (`ProgID`) ON UPDATE CASCADE ) |
| **department** | CREATE TABLE `department` (  `DeptID` int(3) NOT NULL AUTO\_INCREMENT,  `DeptName` varchar(50) NOT NULL,  `ColgID` int(2) NOT NULL,  `BID` varchar(5) NOT NULL,  PRIMARY KEY (`DeptID`),  FOREIGN KEY (`ColgID`) REFERENCES `college` (`ColgID`) ON UPDATE CASCADE ) BID Should be a foreign key |
| **employee** | CREATE TABLE `employee` (  `EmpID` varchar(6) NOT NULL,  `EmpFName` varchar(30) NOT NULL,  `EmpLName` varchar(30) NOT NULL,  `JobTitle` varchar(30) NOT NULL,  `EmpPhone` int(10) NOT NULL,  `EmpEmail` varchar(30) NOT NULL,  `DeptID` int(3) NOT NULL,  `UName` varchar(10) NOT NULL,  PRIMARY KEY (`EmpID`),  FOREIGN KEY (`DeptID`) REFERENCES `department` (`DeptID`) ON UPDATE CASCADE,  FOREIGN KEY (`UName`) REFERENCES `login` (`UName`) ON UPDATE CASCADE ) |
| **faculty** | CREATE TABLE `faculty` (  `FID` varchar(6) NOT NULL,  `FFName` varchar(30) NOT NULL,  `FLName` varchar(30) NOT NULL,  `FTitle` varchar(30) NOT NULL,  `FMajor` varchar(30) NOT NULL,  `FPhone` int(10) NOT NULL,  `FEmail` varchar(30) NOT NULL,  `FPicture` blob,  `DeptID` int(3) NOT NULL,  `UName` varchar(10) NOT NULL,  PRIMARY KEY (`FID`),  FOREIGN KEY (`DeptID`) REFERENCES `department` (`DeptID`) ON UPDATE CASCADE,  FOREIGN KEY (`UName`) REFERENCES `login` (`UName`) ON UPDATE CASCADE ) |
| **login** | CREATE TABLE `login` (  `UName` varchar(10) NOT NULL,  `Pass` varchar(10) NOT NULL,  `UType` varchar(10) NOT NULL,  PRIMARY KEY (`UName`) ) |
| **program** | CREATE TABLE `program` (  `ProgID` int(2) NOT NULL AUTO\_INCREMENT,  `ProgName` varchar(50) NOT NULL,  `ProgType` varchar(4) NOT NULL,  `SATMinScore` int(4) DEFAULT NULL,  `GREMinScore` int(3) DEFAULT NULL,  `MinGPA` decimal(4,2) DEFAULT NULL,  `DeptID` int(3) NOT NULL,  PRIMARY KEY (`ProgID`),  FOREIGN KEY (`DeptID`) REFERENCES `department` (`DeptID`) ON UPDATE CASCADE ) |
| **runs** | CREATE TABLE `runs` (  `CID` varchar(6) NOT NULL,  `SID` int(5) NOT NULL,  PRIMARY KEY (`CID`,`SID`),  FOREIGN KEY (`CID`) REFERENCES `course` (`CID`) ON UPDATE CASCADE,  FOREIGN KEY (`SID`) REFERENCES `semester` (`SID`) ON UPDATE CASCADE ) |
| **schedule** | CREATE TABLE `schedule` (  `BID` varchar(5) NOT NULL,  `CRNum` int(3) NOT NULL,  `CID` varchar(6) NOT NULL,  `Time` time NOT NULL,  `Day` varchar(10) NOT NULL,  PRIMARY KEY (`BID`,`CRNum`,`CID`),  KEY `CID` (`CID`),  KEY `CRNum` (`CRNum`),  FOREIGN KEY (`BID`) REFERENCES `building` (`BID`) ON UPDATE CASCADE,  FOREIGN KEY (`CID`) REFERENCES `course` (`CID`) ON UPDATE CASCADE,  FOREIGN KEY (`CRNum`) REFERENCES `classroom` (`CRNum`) ON UPDATE CASCADE ) |
| **semester** | CREATE TABLE `semester` (  `SID` int(5) NOT NULL AUTO\_INCREMENT,  `SName` varchar(10) NOT NULL,  PRIMARY KEY (`SID`) ) |
| **student** | CREATE TABLE `student` (  `StdID` varchar(10) NOT NULL,  `StdFName` varchar(30) NOT NULL,  `StdLName` varchar(30) NOT NULL,  `StdPhone` int(10) NOT NULL,  `StdEmail` varchar(30) NOT NULL,  `StdAddress` varchar(100) NOT NULL,  `StdPicture` int(11) DEFAULT NULL,  `ProgID` int(2) NOT NULL,  `UName` varchar(10) NOT NULL,  PRIMARY KEY (`StdID`),  FOREIGN KEY (`ProgID`) REFERENCES `program` (`ProgID`) ON UPDATE CASCADE,  FOREIGN KEY (`UName`) REFERENCES `login` (`UName`) ON UPDATE CASCADE ) |