CREATE TABLE ADMIN (id VARCHAR(10),password VARCHAR(20),PRIMARY KEY(id));

CREATE TABLE HOSTEL (NO\_OF\_ROOMS INT, HOSTEL\_NAME VARCHAR (20), LOCATION VARCHAR (50), HOSTEL\_ID INT, PRIMARY KEY(HOSTEL\_ID));

CREATE TABLE HOSTEL\_EMP (EMP\_ID INT, EMP\_NAME CHAR (20), ADDRESS CHAR (20), SALARY INT, PH\_NO INT, EMP\_TYPE VARCHAR (20), HOSTEL\_ID INT, PRIMARY KEY(EMP\_ID), FOREIGN KEY (HOSTEL\_ID) REFERENCES HOSTEL(HOSTEL\_ID)ON DELETE CASCADE ON UPDATE CASCADE);

CREATE TABLE ROOM (ROOM\_ID INT, HOSTEL\_ID INT NOT NULL, CAPACITY INT, FURNITURE\_COUNT INT, PRIMARY KEY (ROOM\_ID, HOSTEL\_ID), FOREIGN KEY(HOSTEL\_ID) REFERENCES HOSTEL(HOSTEL\_ID) ON DELETE CASCADE ON UPDATE CASCADE);

CREATE TABLE STUDENT (STUD\_ID VARCHAR(10),STUD\_NAME CHAR(20),FATHER\_NAME CHAR(20) ,ROOM\_ID INT(25),PH\_NO INT(10),DOB DATE,FEE\_DUE INT(25),HOSTEL\_ID INT(10),PRIMARY KEY(STUD\_ID),FOREIGN KEY(ROOM\_ID) REFERENCES ROOM(ROOM\_ID) on DELETE set null on update CASCADE,FOREIGN KEY(HOSTEL\_ID)REFERENCES HOSTEL(HOSTEL\_ID) on DELETE set null on update CASCADE);

CREATE TABLE VISITOR(S\_NO INT NOT NULL AUTO\_INCREMENT,STUD\_ID VARCHAR(10),VISITOR\_NAME CHAR(20), TIME\_IN time, TIME\_OUT time, DATE DATE,PRIMARY KEY( s\_no, STUD\_ID), FOREIGN KEY(STUD\_ID) REFERENCES STUDENT(STUD\_ID) ON DELETE CASCADE ON UPDATE CASCADE);

CREATE TABLE OUTPASS(STUD\_ID VARCHAR(10),TIME\_IN TIME, TIME\_OUT TIME, PRIMARY KEY(STUD\_ID), DAYS\_ON\_LEAVE INT (15), DATE DATE, FOREIGN KEY (STUD\_ID) REFERENCES STUDENT(STUD\_ID) ON DELETE CASCADE ON UPDATE CASCADE);

CREATE TABLE USERS (STUD\_ID VARCHAR(10),PASSWORD VARCHAR(20),PRIMARY KEY (STUD\_ID),FOREIGN KEY (STUD\_ID) REFERENCES STUDENT(STUD\_ID)ON DELETE CASCADE ON UPDATE CASCADE);