CREATE SCHEMA IF NOT EXISTS `hostelmanagement` DEFAULT CHARACTER SET latin1 ;

USE `hostelmanagement` ;

CREATE TABLE IF NOT EXISTS `hostelmanagement`.`hostel` (

`building\_no` INT(11) NOT NULL,

`no\_of\_rooms` INT(11) NULL DEFAULT NULL,

`no\_of\_students` INT(11) NULL DEFAULT NULL,

`annual\_expense` INT(11) NULL DEFAULT NULL,

`location` VARCHAR(45) NULL DEFAULT NULL,

PRIMARY KEY (`building\_no`))

CREATE TABLE IF NOT EXISTS `hostelmanagement`.`room` (

`room\_id` INT(11) NOT NULL,

`capacity` INT(11) NULL DEFAULT NULL,

`hostel\_bulding\_no` INT(11) NOT NULL,

PRIMARY KEY (`room\_id`, `hostel\_bulding\_no`),

INDEX `fk\_room\_hostel1\_idx` (`hostel\_bulding\_no` ASC),

CONSTRAINT `fk\_room\_hostel1`

FOREIGN KEY (`hostel\_bulding\_no`)

REFERENCES `hostelmanagement`.`hostel` (`building\_no`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

CREATE TABLE IF NOT EXISTS `hostelmanagement`.`student` (

`sid` INT(11) NOT NULL,

`name` VARCHAR(45) NULL DEFAULT NULL,

`department` VARCHAR(45) NULL DEFAULT NULL,

`mobile\_no` VARCHAR(45) NULL DEFAULT NULL,

`DOB` DATE NOT NULL,

`room\_room\_id` INT(11) NOT NULL,

`hostel\_bulding\_no` INT(11) NOT NULL,

PRIMARY KEY (`sid`, `room\_room\_id`, `hostel\_bulding\_no`),

INDEX `fk\_Student\_room1\_idx` (`room\_room\_id` ASC),

INDEX `fk\_Student\_hostel1\_idx` (`hostel\_bulding\_no` ASC),

CONSTRAINT `fk\_Student\_hostel1`

FOREIGN KEY (`hostel\_bulding\_no`)

REFERENCES `hostelmanagement`.`hostel` (`building\_no`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Student\_room1`

FOREIGN KEY (`room\_room\_id`)

REFERENCES `hostelmanagement`.`room` (`room\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

CREATE TABLE IF NOT EXISTS `hostelmanagement`.`fee` (

`fee\_month` VARCHAR(45) NOT NULL,

`fee\_status` VARCHAR(45) NOT NULL,

`sid` INT(11) NOT NULL,

PRIMARY KEY (`fee\_month`, `sid`),

INDEX `fk\_Fee\_Student\_idx` (`sid` ASC),

CONSTRAINT `fk\_Fee\_Student`

FOREIGN KEY (`sid`)

REFERENCES `hostelmanagement`.`student` (`sid`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

CREATE TABLE IF NOT EXISTS `hostelmanagement`.`furniture` (

`furniture\_id` INT(11) NOT NULL,

`furniture\_type` VARCHAR(45) NULL DEFAULT NULL,

`room\_id` INT(11) NOT NULL,

`hostel\_bulding\_no` INT(11) NOT NULL,

PRIMARY KEY (`furniture\_id`, `room\_id`, `hostel\_bulding\_no`),

INDEX `fk\_furniture\_room1\_idx` (`room\_id` ASC, `hostel\_bulding\_no` ASC),

CONSTRAINT `fk\_furniture\_room1`

FOREIGN KEY (`room\_id` , `hostel\_bulding\_no`)

REFERENCES `hostelmanagement`.`room` (`room\_id` , `hostel\_bulding\_no`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

CREATE TABLE IF NOT EXISTS `hostelmanagement`.`staff\_details` (

`staff\_id` INT(11) NOT NULL,

`staff\_name` VARCHAR(45) NULL DEFAULT NULL,

`staff\_address` VARCHAR(45) NULL DEFAULT NULL,

`salary` INT(11) NULL DEFAULT NULL,

`designation` VARCHAR(45) NULL DEFAULT NULL,

`hostel\_bulding\_no` INT(11) NOT NULL,

PRIMARY KEY (`staff\_id`, `hostel\_bulding\_no`),

INDEX `fk\_staff\_details\_hostel1\_idx` (`hostel\_bulding\_no` ASC),

CONSTRAINT `fk\_staff\_details\_hostel1`

FOREIGN KEY (`hostel\_bulding\_no`)

REFERENCES `hostelmanagement`.`hostel` (`building\_no`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

CREATE TABLE IF NOT EXISTS `hostelmanagement`.`visitor` (

`visitor\_id` INT(11) NOT NULL,

`visitor\_name` VARCHAR(45) NULL DEFAULT NULL,

`time\_in` TIME NULL DEFAULT NULL,

`time\_out` TIME NULL DEFAULT NULL,

`date` DATE NULL DEFAULT NULL,

`Student\_sid` INT(11) NOT NULL,

PRIMARY KEY (`visitor\_id`),

INDEX `fk\_visitor\_Student1\_idx` (`Student\_sid` ASC),

CONSTRAINT `fk\_visitor\_Student1`

FOREIGN KEY (`Student\_sid`)

REFERENCES `hostelmanagement`.`student` (`sid`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)