drop table if exists subshifts\_saddler

drop table if exists subshifts\_ernie

drop table if exists shifts

drop table if exists shift\_type\_lookup

drop table if exists shift\_time\_lookup

drop table if exists shift\_day\_lookup

drop table if exists student\_employees

drop table if exists supervisors

drop table if exists dininghalls

GO

create table dininghalls(

    dining\_id int identity not null,

    dining\_name varchar(20) not null,

    dining\_manger\_firstname varchar(20),

   dining\_manager\_lastname varchar(50),

   dining\_email varchar(50) not null,

    dining\_address varchar(100) not null,

    dining\_no\_of\_employees int not null,

    dining\_capacity int not null,

    dining\_timings varchar(20),

    constraint pk\_dininghalls\_dining\_id PRIMARY key (dining\_id),

    CONSTRAINT u\_dining\_name UNIQUE (dining\_name),

    CONSTRAINT u\_dining\_email UNIQUE (dining\_email)

)

---------------------------------------------------

GO

create table supervisors(

    supervisor\_id int identity not null,

    supervisor\_firstname varchar(20) not null,

    supervisor\_lastname varchar(20) not null,

    supervisor\_dining\_id int not null,

    supervisor\_email varchar(50) not null,

    supervisor\_payperhour float DEFAULT 16.30,

    constraint pk\_supervisor\_id primary key (supervisor\_id),

    constraint u\_supervisor\_id unique (supervisor\_email)

)

---------------------------------------------------------

GO

create table student\_employees(

    student\_id int identity not null,

    student\_firstname varchar(20) not null,

    student\_lastname varchar(20) not null,

    student\_email varchar(50) not null,

    student\_dining\_id int not null,

    student\_payperhour float default 15.30,

    constraint pk\_student\_id primary key(student\_id),

    constraint u\_student\_email unique (student\_email),

    constraint fk\_student\_dining\_id FOREIGN KEY (student\_dining\_id)

    REFERENCES dininghalls(dining\_id)

)

----------------------------------------------------------

GO

create table shift\_type\_lookup(

    shift\_type varchar(50) not null,

    constraint pk\_shift\_type primary key (shift\_type)

)

create table shift\_time\_lookup(

    shift\_time varchar(50) not null,

    constraint pk\_shift\_time primary key(shift\_time)

)

create table shift\_day\_lookup(

    shift\_day varchar(50) not null,

    constraint pk\_shift\_day primary key (shift\_day)

)

create table shifts(

    shift\_id int identity not null,

    shift\_student\_id int not null,

    shift\_dining\_id int not null,

    shift\_day varchar(50) not null,

    shift\_duration int not null default 4,

    shift\_time  varchar(50) not null,

    shift\_type varchar(50) not null,

    shift\_supervisor int not null,

    constraint pk\_shift\_id PRIMARY KEY (shift\_id),

    constraint fk\_shift\_student\_id FOREIGN KEY(shift\_student\_id) references student\_employees(student\_id),

    constraint fk\_shift\_dining\_id FOREIGN KEY(shift\_dining\_id) references dininghalls(dining\_id),

    constraint fk\_shift\_day FOREIGN KEY(shift\_day) references shift\_day\_lookup(shift\_day),

    constraint fk\_shift\_time FOREIGN KEY(shift\_time) references shift\_time\_lookup(shift\_time),

    constraint fk\_shift\_type FOREIGN KEY(shift\_type) references shift\_type\_lookup(shift\_type),

)

-------------------------------------------------------------------------------

/\*drop table if exists subshiftspickedby

drop table if exists subsubshifts

 create table subsubshifts(

    sub\_id int identity not null,

    sub\_subbedby int not null,

    sub\_shift\_id int not null,

    constraint pk\_sub\_id PRIMARY KEY(sub\_id),

    constraint fk\_sub\_subbedby FOREIGN KEY (sub\_subbedby) references student\_employees(student\_id),

    constraint fk\_sub\_shift\_id FOREIGN KEY(sub\_shift\_id) references shifts(shift\_id)

 )

 create table subshiftspickedby(

     sub\_id int  not null,

     sub\_shift\_id int not null,

    sub\_pickedby int not null,

    constraint fk\_sub\_pickedby FOREIGN KEY (sub\_pickedby) references student\_employees(student\_id),

    constraint fk\_subpick\_shift\_id FOREIGN KEY(sub\_shift\_id) references shifts(shift\_id)

 )

 \*/

GO

create table subshifts\_ernie(

    sub\_id int identity not null,

    sub\_subbedby int not null,

    sub\_shift\_id int not null,

     sub\_pickedby int,

      constraint pk\_sub\_id\_e PRIMARY KEY(sub\_id),

    constraint fk\_sub\_subbedby\_e FOREIGN KEY (sub\_subbedby) references student\_employees(student\_id),

    constraint fk\_sub\_shift\_id\_e FOREIGN KEY(sub\_shift\_id) references shifts(shift\_id),

    constraint fk\_sub\_pickedby\_id\_e FOREIGN KEY(sub\_shift\_id) references student\_employees(student\_id)

)

create table subshifts\_saddler(

    sub\_id int identity not null,

    sub\_subbedby int not null,

    sub\_shift\_id int not null,

     sub\_pickedby int,

      constraint pk\_sub\_id\_s PRIMARY KEY(sub\_id),

    constraint fk\_sub\_subbedby\_s FOREIGN KEY (sub\_subbedby) references student\_employees(student\_id),

    constraint fk\_sub\_shift\_id\_s FOREIGN KEY(sub\_shift\_id) references shifts(shift\_id),

    constraint fk\_sub\_pickedby\_id\_s FOREIGN KEY(sub\_shift\_id) references student\_employees(student\_id)

)

------------------------------------------------------------------------------------------------------------------

INSERT INTO shift\_type\_lookup (shift\_type) VALUES ('Normal');

INSERT INTO shift\_type\_lookup (shift\_type) VALUES ('Pizza');

INSERT INTO shift\_type\_lookup (shift\_type) VALUES ('Checker');

INSERT INTO shift\_type\_lookup (shift\_type) VALUES ('Dishroom');

INSERT INTO shift\_time\_lookup (shift\_time) VALUES ('Breakfast');

INSERT INTO shift\_time\_lookup (shift\_time) VALUES ('Lunch');

INSERT INTO shift\_time\_lookup (shift\_time) VALUES ('Dinner');

INSERT INTO shift\_day\_lookup (shift\_day) VALUES ('Monday');

INSERT INTO shift\_day\_lookup (shift\_day) VALUES ('Tuesday');

INSERT INTO shift\_day\_lookup (shift\_day) VALUES ('Wednesday');

INSERT INTO shift\_day\_lookup (shift\_day) VALUES ('Thursday');

INSERT INTO shift\_day\_lookup (shift\_day) VALUES ('Friday');

INSERT INTO shift\_day\_lookup (shift\_day) VALUES ('Saturday');

INSERT INTO shift\_day\_lookup (shift\_day) VALUES ('Sunday');

INSERT INTO dininghalls (dining\_name,dining\_manger\_firstname,dining\_manager\_lastname,dining\_email,dining\_address,dining\_no\_of\_employees,dining\_capacity,dining\_timings)

VALUES ('Ernie Davis', 'Sabrina', 'Davis-Thomas', 'erniedavismngs@syr.edu', '619 Comstock Ave, Syracuse, NY 13210', 50, 100, '7:30am - 8:00pm');

INSERT INTO dininghalls   (dining\_name,dining\_manger\_firstname,dining\_manager\_lastname,dining\_email,dining\_address,dining\_no\_of\_employees,dining\_capacity,dining\_timings)

VALUES ('Sadler Dining Hall', 'Debbie', 'Lawson', 'sadlersmanagement@gmail.com', 'Sadler Hall, Irving Ave, Syracuse, NY 13210', 50, 100, '7:30am - 9:00pm');

INSERT INTO dininghalls  (dining\_name,dining\_manger\_firstname,dining\_manager\_lastname,dining\_email,dining\_address,dining\_no\_of\_employees,dining\_capacity,dining\_timings)

VALUES ('Shaw Dining Hall', 'James', 'Blackmon', 'shawmanager@gmail.com', '201 Euclid Ave, Syracuse, NY 13210', 50, 100, '7:00am - 8:00pm');

INSERT INTO supervisors (supervisor\_firstname, supervisor\_lastname, supervisor\_dining\_id, supervisor\_email, supervisor\_payperhour)

VALUES

    ('John', 'Smith', 1, 'john.smith@example.com', 16.30),

    ('Mary', 'Johnson', 1, 'mary.johnson@example.com', 16.30),

    ('Michael', 'Williams', 1, 'michael.williams@example.com', 16.30),

    ('Jessica', 'Brown', 1, 'jessica.brown@example.com', 16.30),

    ('William', 'Jones', 1, 'william.jones@example.com', 16.30),

    ('Jennifer', 'Lee', 1, 'jennifer.lee@example.com', 16.30),

    ('David', 'Miller', 1, 'david.miller@example.com', 16.30),

    ('Emily', 'Davis', 1, 'emily.davis@example.com', 16.30),

    ('Daniel', 'Garcia', 1, 'daniel.garcia@example.com', 16.30),

    ('Ava', 'Wilson', 1, 'ava.wilson@example.com', 16.30)

INSERT INTO supervisors ( supervisor\_firstname, supervisor\_lastname, supervisor\_dining\_id, supervisor\_email, supervisor\_payperhour)

VALUES ( 'Emily', 'Brown', 2, 'emily.brown@example.com', 16.30);

INSERT INTO supervisors ( supervisor\_firstname, supervisor\_lastname, supervisor\_dining\_id, supervisor\_email, supervisor\_payperhour)

VALUES ( 'Oliver', 'Garcia', 2, 'oliver.garcia@example.com', 16.30);

INSERT INTO supervisors ( supervisor\_firstname, supervisor\_lastname, supervisor\_dining\_id, supervisor\_email, supervisor\_payperhour)

VALUES ( 'Isabella', 'Jones', 2, 'isabella.jones@example.com', 16.30);

INSERT INTO supervisors ( supervisor\_firstname, supervisor\_lastname, supervisor\_dining\_id, supervisor\_email, supervisor\_payperhour)

VALUES ( 'Jacob', 'Lee', 2, 'jacob.lee@example.com', 16.30);

INSERT INTO supervisors ( supervisor\_firstname, supervisor\_lastname, supervisor\_dining\_id, supervisor\_email, supervisor\_payperhour)

VALUES ( 'Sophia', 'Miller', 2, 'sophia.miller@example.com', 16.30);

INSERT INTO supervisors ( supervisor\_firstname, supervisor\_lastname, supervisor\_dining\_id, supervisor\_email, supervisor\_payperhour)

VALUES ('Ethan', 'Williams', 2, 'ethan.williams@example.com', 16.30);

INSERT INTO supervisors (supervisor\_firstname, supervisor\_lastname, supervisor\_dining\_id, supervisor\_email, supervisor\_payperhour)

VALUES ( 'Avery', 'Davis', 2, 'avery.davis@example.com', 16.30);

INSERT INTO supervisors ( supervisor\_firstname, supervisor\_lastname, supervisor\_dining\_id, supervisor\_email, supervisor\_payperhour)

VALUES ( 'Lucas', 'Johnson', 2, 'lucas.johnson@example.com', 16.30);

INSERT INTO supervisors ( supervisor\_firstname, supervisor\_lastname, supervisor\_dining\_id, supervisor\_email, supervisor\_payperhour)

VALUES ( 'Mia', 'Smith', 2, 'mia.smith@example.com', 16.30);

INSERT INTO supervisors ( supervisor\_firstname, supervisor\_lastname, supervisor\_dining\_id, supervisor\_email, supervisor\_payperhour)

VALUES ('Noah', 'Wilson', 2, 'noah.wilson@example.com', 16.30);

INSERT INTO student\_employees (student\_firstname, student\_lastname, student\_email, student\_dining\_id, student\_payperhour)

VALUES

    ( 'John', 'Doe', 'john.doe@syr.edu', 1, 15.30),

    ( 'Jane', 'Doe', 'jane.doe@syr.edu', 1, 15.30),

    ('Bob', 'Smith', 'bob.smith@syr.edu', 1, 15.30),

    ('Emily', 'Jones', 'emily.jones@syr.edu', 1, 15.30),

    ( 'Michael', 'Johnson', 'michael.johnson@syr.edu', 1, 15.30),

    ( 'Sarah', 'Williams', 'sarah.williams@syr.edu', 1, 15.30),

    ( 'David', 'Brown', 'david.brown@syr.edu', 1, 15.30),

    ( 'Olivia', 'Miller', 'olivia.miller@syr.edu', 1, 15.30),

    ( 'William', 'Davis', 'william.davis@syr.edu', 1, 15.30),

    ( 'Sophia', 'Garcia', 'sophia.garcia@syr.edu', 1, 15.30),

    ( 'James', 'Martinez', 'james.martinez@syr.edu', 1, 15.30),

    ( 'Isabella', 'Lee', 'isabella.lee@syr.edu', 1, 15.30),

    ( 'Benjamin', 'Hernandez', 'benjamin.hernandez@syr.edu', 1, 15.30),

    ( 'Avery', 'Moore', 'avery.moore@syr.edu', 1, 15.30),

    ( 'Lucas', 'Jackson', 'lucas.jackson@syr.edu', 1, 15.30),

    ( 'Emma', 'Martin', 'emma.martin@syr.edu', 1, 15.30),

    ( 'Ethan', 'Lee', 'ethan.lee@syr.edu', 1, 15.30),

    ( 'Mia', 'Perez', 'mia.perez@syr.edu', 1, 15.30),

    ( 'Alexander', 'Robinson', 'alexander.robinson@syr.edu', 1, 15.30),

    ( 'Madison', 'Rodriguez', 'madison.rodriguez@syr.edu', 1, 15.30),

    ( 'Noah', 'Anderson', 'noah.anderson@syr.edu', 1, 15.30),

    ( 'Ava', 'Thomas', 'ava.thomas@syr.edu', 1, 15.30),

    ( 'Jacob', 'Jackson', 'jacob.jackson@syr.edu', 1, 15.30),

    ( 'Charlotte', 'White', 'charlotte.white@syr.edu', 1, 15.30),

    ( 'Liam', 'Harris', 'liam.harris@syr.edu', 1, 15.30),

    ( 'Chloe', 'Martin', 'chloe.martin@syr.edu', 1, 15.30),

    ( 'Elijah', 'Thompson', 'elijah.thompson@syr.edu', 1, 15.30),

    ( 'Grace', 'Garcia', 'grace.garcia@syr.edu', 1, 15.30),

    ( 'William', 'Johnson', 'william.johnson@syr.edu', 2, 15.30),

    ( 'Sophia', 'Brown', 'sophia.brown@syr.edu', 2, 15.30),

    ( 'Daniel', 'Garcia', 'daniel.garcia@syr.edu', 2, 15.30),

    ( 'Ava', 'Davis', 'ava.davis@syr.edu', 2, 15.30),

    ( 'Joseph', 'Rodriguez', 'joseph.rodriguez@syr.edu', 2, 15.30),

    ( 'Olivia', 'Anderson', 'olivia.anderson@syr.edu', 2, 15.30),

    ( 'Jacob', 'White', 'jacob.white@syr.edu', 2, 15.30),

    ( 'Emily', 'Thomas', 'emily.thomas@syr.edu', 2, 15.30),

    ( 'Joshua', 'Hernandez', 'joshua.hernandez@syr.edu', 2, 15.30),

    ( 'Mia', 'Lee', 'mia.lee@syr.edu', 2, 15.30),

    ( 'Noah', 'Clark', 'noah.clark@syr.edu', 2, 15.30),

    ( 'Avery', 'Scott', 'avery.scott@syr.edu', 2, 15.30),

    ( 'Isabella', 'Green', 'isabella.green@syr.edu', 2, 15.30),

    ( 'Caleb', 'Baker', 'caleb.baker@syr.edu', 2, 15.30),

    ( 'Chloe', 'Mitchell', 'chloe.mitchell@syr.edu', 2, 15.30),

    ( 'Ethan', 'Campbell', 'ethan.campbell@syr.edu', 2, 15.30),

    ( 'Madison', 'Parker', 'madison.parker@syr.edu', 2, 15.30),

    ( 'Liam', 'Evans', 'liam.evans@syr.edu', 2, 15.30),

    ( 'Elizabeth', 'Turner', 'elizabeth.turner@syr.edu', 2, 15.30),

    ( 'Elijah', 'Collins', 'elijah.collins@syr.edu', 2, 15.30),

    ( 'Grace', 'Morgan', 'grace.morgan@syr.edu', 2, 15.30),

    ( 'Samuel', 'Murphy', 'samuel.murphy@syr.edu', 2, 15.30),

    ( 'Sofia', 'Rivera', 'sofia.rivera@syr.edu', 2, 15.30),

    ( 'Michael', 'Cook', 'michael.cook@syr.edu', 2, 15.30),

    ( 'Logan', 'Harris', 'logan.harris@syr.edu', 2, 15.30),

    ( 'Avery', 'Jones', 'avery.jones@syr.edu', 2, 15.30),

    ( 'Evelyn', 'Williams', 'evelyn.williams@syr.edu', 2,15.20),

    ( 'Aria', 'Thomas', 'aria.thomas@syr.edu', 2, 15.30)

INSERT INTO shifts(shift\_student\_id,shift\_dining\_id, shift\_day, shift\_duration, shift\_time, shift\_type, shift\_supervisor)

VALUES

(1,1, 'Monday', 4, 'Breakfast', 'Normal', 1),

(2,1, 'Monday', 4, 'Breakfast', 'Pizza', 1),

(3,1, 'Monday', 4, 'Breakfast', 'Dishroom', 1),

(4,1, 'Monday', 4, 'Breakfast', 'Checker', 1),

(1,1, 'Tuesday', 4, 'Lunch', 'Normal', 2),

(2,1, 'Tuesday', 4, 'Lunch', 'Pizza', 2),

(3,1, 'Tuesday', 4, 'Lunch', 'Dishroom', 2),

(4,1, 'Tuesday', 4, 'Lunch', 'Checker', 2),

(1,1, 'Wednesday', 4, 'Lunch', 'Normal', 3),

(2,1, 'Wednesday', 4, 'Lunch', 'Pizza', 3),

(3,1, 'Wednesday', 4, 'Lunch', 'Dishroom', 3),

(4,1, 'Wednesday', 4, 'Lunch', 'Checker', 3),

(5,1, 'Thursday', 4, 'Breakfast', 'Normal', 4),

(6,1, 'Thursday', 4, 'Breakfast', 'Pizza', 4),

(7,1, 'Thursday', 4, 'Breakfast', 'Dishroom', 4),

(8,1, 'Thursday', 4, 'Breakfast', 'Checker', 4),

(5,1, 'Friday', 4, 'Lunch', 'Normal', 5),

(6,1, 'Friday', 4, 'Lunch', 'Pizza', 5),

(7,1, 'Friday', 4, 'Lunch', 'Dishroom', 5),

(8,1, 'Friday', 4, 'Lunch', 'Checker', 5),

(5,1, 'Saturday', 4, 'Dinner', 'Normal', 6),

(6,1, 'Saturday', 4, 'Dinner', 'Pizza', 6),

(7,1, 'Saturday', 4, 'Dinner', 'Dishroom', 6),

(8,1, 'Saturday', 4, 'Dinner', 'Checker', 6),

(9,1, 'Sunday', 4, 'Breakfast', 'Normal', 7),

(10,1, 'Sunday', 4, 'Breakfast', 'Pizza', 7),

(11,1, 'Sunday', 4, 'Breakfast', 'Dishroom', 7),

(12,1, 'Sunday', 4, 'Breakfast', 'Checker', 7),

(13,1, 'Monday', 4, 'Lunch', 'Normal', 1),

(14,1, 'Monday', 4, 'Lunch', 'Pizza', 1),

(15,1, 'Monday', 4, 'Lunch', 'Dishroom', 1),

(16,1, 'Monday', 4, 'Lunch', 'Checker', 1),

(17,1, 'Monday', 4, 'Dinner', 'Normal', 2),

(18,1, 'Monday', 4, 'Dinner', 'Pizza', 2),

(19,1, 'Monday', 4, 'Dinner', 'Dishroom', 2),

(20,1, 'Monday', 4, 'Dinner', 'Checker', 2),

(21,1, 'Tuesday', 4, 'Breakfast', 'Normal', 3),

(22,1, 'Tuesday', 4, 'Breakfast', 'Pizza', 3),

(23,1, 'Tuesday', 4, 'Breakfast', 'Dishroom', 3),

(24,1, 'Tuesday', 4, 'Breakfast', 'Checker', 3),

(13,1, 'Tuesday', 4, 'Dinner', 'Normal', 4),

(14,1, 'Tuesday', 4, 'Dinner', 'Pizza', 4),

(15,1, 'Tuesday', 4, 'Dinner', 'Dishroom', 4),

(16,1, 'Tuesday', 4, 'Dinner', 'Checker', 4),

(17,1, 'Wednesday', 4, 'Dinner', 'Normal', 5),

(18,1, 'Wednesday', 4, 'Dinner', 'Pizza', 5),

(19,1, 'Wednesday', 4, 'Dinner', 'Dishroom', 5),

(20,1, 'Wednesday', 4, 'Dinner', 'Checker', 5),

(21,1, 'Wednesday', 4, 'Breakfast', 'Normal', 6),

(22,1, 'Wednesday', 4, 'Breakfast', 'Pizza', 6),

(23,1, 'Wednesday', 4, 'Breakfast', 'Dishroom', 6),

(24,1, 'Wednesday', 4, 'Breakfast', 'Checker', 6),

(13,1, 'Thursday', 4, 'Lunch', 'Normal', 7),

(14,1, 'Thursday', 4, 'Lunch', 'Pizza', 7),

(15,1, 'Thursday', 4, 'Lunch', 'Dishroom', 7),

(16,1, 'Thursday', 4, 'Lunch', 'Checker', 7),

(17,1, 'Thursday', 4, 'Dinner', 'Normal', 8),

(18,1, 'Thursday', 4, 'Dinner', 'Pizza', 8),

(19,1, 'Thursday', 4, 'Dinner', 'Dishroom', 8),

(20,1, 'Thursday', 4, 'Dinner', 'Checker', 8),

(21,1, 'Friday', 4, 'Breakfast', 'Normal', 9),

(22,1, 'Friday', 4, 'Breakfast', 'Pizza', 9),

(23,1, 'Friday', 4, 'Breakfast', 'Dishroom', 9),

(24,1, 'Friday', 4, 'Breakfast', 'Checker', 9),

(9,1, 'Friday', 4, 'Dinner', 'Normal', 9),

(10,1, 'Friday', 4, 'Dinner', 'Pizza', 9),

(11,1, 'Friday', 4, 'Dinner', 'Dishroom', 9),

(12,1, 'Friday', 4, 'Dinner', 'Checker', 9),

(9,1, 'Saturday', 4, 'Breakfast', 'Normal', 6),

(10,1, 'Saturday', 4, 'Breakfast', 'Pizza', 6),

(11,1, 'Saturday', 4, 'Breakfast', 'Dishroom', 6),

(12,1, 'Saturday', 4, 'Breakfast', 'Checker', 6),

(25,1, 'Saturday', 4, 'Lunch', 'Normal', 6),

(26,1, 'Saturday', 4, 'Lunch', 'Pizza', 6),

(27,1, 'Saturday', 4, 'Lunch', 'Dishroom', 6),

(28,1, 'Saturday', 4, 'Lunch', 'Checker', 6),

(25,1, 'Sunday', 4, 'Dinner', 'Normal', 7),

(26,1, 'Sunday', 4, 'Dinner', 'Pizza', 7),

(27,1, 'Sunday', 4, 'Dinner', 'Dishroom', 7),

(28,1, 'Sunday', 4, 'Dinner', 'Checker', 7),

(25,1, 'Sunday', 4, 'Lunch', 'Normal', 7),

(26,1, 'Sunday', 4, 'Lunch', 'Pizza', 7),

(27,1, 'Sunday', 4, 'Lunch', 'Dishroom', 7),

(28,1, 'Sunday', 4, 'Lunch', 'Checker', 7)

INSERT INTO shifts(shift\_student\_id,shift\_dining\_id, shift\_day, shift\_duration, shift\_time, shift\_type, shift\_supervisor)

VALUES

(29,2, 'Monday', 4, 'Breakfast', 'Normal', 11),

(30, 2,'Monday', 4, 'Breakfast', 'Pizza', 11),

(31, 2,'Monday', 4, 'Breakfast', 'Dishroom', 11),

(32, 2,'Monday', 4, 'Breakfast', 'Checker', 11)

INSERT INTO shifts(shift\_student\_id,shift\_dining\_id, shift\_day, shift\_duration, shift\_time, shift\_type, shift\_supervisor)

VALUES

(29, 2,'Tuesday', 4, 'Lunch', 'Normal', 12),

(30, 2,'Tuesday', 4, 'Lunch', 'Pizza', 12),

(31, 2,'Tuesday', 4, 'Lunch', 'Dishroom',12),

(32, 2,'Tuesday', 4, 'Lunch', 'Checker', 12),

(29, 2,'Wednesday', 4, 'Dinner', 'Normal', 13),

(30, 2,'Wednesday', 4, 'Dinner', 'Pizza', 13),

(31, 2,'Wednesday', 4, 'Dinner', 'Dishroom', 13),

(32, 2,'Wednesday', 4, 'Dinner', 'Checker', 13),

(33, 2,'Thursday', 4, 'Breakfast', 'Normal', 14),

(34, 2,'Thursday', 4, 'Breakfast', 'Pizza', 14),

(35, 2,'Thursday', 4, 'Breakfast', 'Dishroom',14),

(36, 2,'Thursday', 4, 'Breakfast', 'Checker', 14)

INSERT INTO shifts(shift\_student\_id,shift\_dining\_id, shift\_day, shift\_duration, shift\_time, shift\_type, shift\_supervisor)

VALUES

(33, 2,'Friday', 4, 'Lunch', 'Normal', 15),

(34, 2,'Friday', 4, 'Lunch', 'Pizza', 15),

(35, 2,'Friday', 4, 'Lunch', 'Dishroom', 15),

(36, 2,'Friday', 4, 'Lunch', 'Checker', 15),

(33, 2,'Saturday', 4, 'Dinner', 'Normal', 16),

(34, 2,'Saturday', 4, 'Dinner', 'Pizza', 16),

(35, 2,'Saturday', 4, 'Dinner', 'Dishroom', 16),

(36, 2,'Saturday', 4, 'Dinner', 'Checker', 16),

(37, 2,'Sunday', 4, 'Breakfast', 'Normal', 17),

(38, 2,'Sunday', 4, 'Breakfast', 'Pizza', 17),

(39, 2,'Sunday', 4, 'Breakfast', 'Dishroom', 17),

(40, 2,'Sunday', 4, 'Breakfast', 'Checker', 17)

INSERT INTO shifts(shift\_student\_id,shift\_dining\_id, shift\_day, shift\_duration, shift\_time, shift\_type, shift\_supervisor)

VALUES

(41, 2,'Monday', 4, 'Lunch', 'Normal', 11),

(42, 2,'Monday', 4, 'Lunch', 'Pizza', 11),

(43, 2,'Monday', 4, 'Lunch', 'Dishroom', 11),

(44, 2,'Monday', 4, 'Lunch', 'Checker', 11),

(45, 2,'Monday', 4, 'Dinner', 'Normal', 12),

(46, 2,'Monday', 4, 'Dinner', 'Pizza', 12),

(47, 2,'Monday', 4, 'Dinner', 'Dishroom', 12),

(48, 2,'Monday', 4, 'Dinner', 'Checker', 12)

INSERT INTO shifts(shift\_student\_id,shift\_dining\_id, shift\_day, shift\_duration, shift\_time, shift\_type, shift\_supervisor)

VALUES

(49, 2,'Tuesday', 4, 'Breakfast', 'Normal', 13),

(50, 2,'Tuesday', 4, 'Breakfast', 'Pizza', 13),

(51, 2,'Tuesday', 4, 'Breakfast', 'Dishroom', 13),

(52, 2,'Tuesday', 4, 'Breakfast', 'Checker', 13),

(41, 2,'Tuesday', 4, 'Lunch', 'Normal', 14),

(42, 2,'Tuesday', 4, 'Lunch', 'Pizza', 14),

(43, 2,'Tuesday', 4, 'Lunch', 'Dishroom', 14),

(44, 2,'Tuesday', 4, 'Lunch', 'Checker', 14),

(45, 2,'Wednesday', 4, 'Dinner', 'Normal', 15),

(46, 2,'Wednesday', 4, 'Dinner', 'Pizza', 15),

(47, 2,'Wednesday', 4, 'Dinner', 'Dishroom', 15),

(48, 2,'Wednesday', 4, 'Dinner', 'Checker', 15),

(49, 2,'Wednesday', 4, 'Breakfast', 'Normal', 16),

(50, 2,'Wednesday', 4, 'Breakfast', 'Pizza', 16),

(51, 2,'Wednesday', 4, 'Breakfast', 'Dishroom', 16),

(52, 2,'Wednesday', 4, 'Breakfast', 'Checker', 16),

(41, 2,'Thursday', 4, 'Lunch', 'Normal', 17),

(42, 2,'Thursday', 4, 'Lunch', 'Pizza', 17),

(43, 2,'Thursday', 4, 'Lunch', 'Dishroom', 17),

(44, 2,'Thursday', 4, 'Lunch', 'Checker', 17),

(45, 2,'Thursday', 4, 'Dinner', 'Normal', 18),

(46, 2,'Thursday', 4, 'Dinner', 'Pizza', 18),

(47, 2,'Thursday', 4, 'Dinner', 'Dishroom', 18),

(48, 2,'Thursday', 4, 'Dinner', 'Checker', 18),

(49, 2,'Friday', 4, 'Breakfast', 'Normal', 19),

(50, 2,'Friday', 4, 'Breakfast', 'Pizza', 19),

(51, 2,'Friday', 4, 'Breakfast', 'Dishroom', 19),

(52, 2,'Friday', 4, 'Breakfast', 'Dishroom', 19),

(37, 2,'Friday', 4, 'Dinner', 'Normal', 19),

(38, 2,'Friday', 4, 'Dinner', 'Pizza', 19),

(39, 2,'Friday', 4, 'Dinner', 'Dishroom', 19),

(40, 2,'Friday', 4, 'Dinner', 'Dishroom', 9),

(37, 2,'Saturday', 4, 'Breakfast', 'Normal', 16),

(38, 2,'Saturday', 4, 'Breakfast', 'Pizza',16),

(39, 2,'Saturday', 4, 'Breakfast', 'Dishroom',16),

(40, 2,'Saturday', 4, 'Breakfast', 'Checker', 16),

(53, 2,'Saturday', 4, 'Lunch', 'Normal', 16),

(54, 2,'Saturday', 4, 'Lunch', 'Pizza', 16),

(55, 2,'Saturday', 4, 'Lunch', 'Dishroom', 16),

(56, 2,'Saturday', 4, 'Lunch', 'Checker', 16),

(53, 2,'Sunday', 4, 'Dinner', 'Normal', 17),

(54, 2,'Sunday', 4, 'Dinner', 'Pizza', 17),

(55, 2,'Sunday', 4, 'Dinner', 'Dishroom', 17),

(56, 2,'Sunday', 4, 'Dinner', 'Checker', 17),

(53, 2,'Sunday', 4, 'Lunch', 'Normal', 17),

(54, 2,'Sunday', 4, 'Lunch', 'Pizza', 17),

(55, 2,'Sunday', 4, 'Lunch', 'Dishroom', 17),

(56, 2,'Sunday', 4, 'Lunch', 'Checker', 17)

----------------------Separatly created tables-------------------------

drop table if EXISTS shifts\_scheduled

drop table if EXISTS shifts\_scheduled\_ernie

drop table if EXISTS shifts\_scheduled\_saddler

drop table if EXISTS shifts\_scheduled\_shaw

drop table if EXISTS worked\_hours

CREATE TABLE [dbo].[shifts\_scheduled](

    [shift\_id] [int] NOT NULL,

    [shift\_dining\_id] [int] NOT NULL,

    [shift\_day] [varchar](50) NOT NULL,

    [shift\_time] [varchar](50) NOT NULL,

    [shift\_type] [varchar](50) NOT NULL,

    [StudentName] [varchar](41) NOT NULL,

    [supervisorname] [varchar](41) NOT NULL

)

CREATE TABLE [dbo].[shifts\_scheduled\_ernie](

    [shift\_id] [int] NOT NULL,

    [shift\_day] [varchar](50) NOT NULL,

    [shift\_time] [varchar](50) NOT NULL,

    [shift\_type] [varchar](50) NOT NULL,

    [StudentName] [varchar](41) NOT NULL,

    [supervisorname] [varchar](41) NOT NULL

)

CREATE TABLE [dbo].[shifts\_scheduled\_saddler](

    [shift\_id] [int] NOT NULL,

    [shift\_day] [varchar](50) NOT NULL,

    [shift\_time] [varchar](50) NOT NULL,

    [shift\_type] [varchar](50) NOT NULL,

    [StudentName] [varchar](41) NOT NULL,

    [supervisorname] [varchar](41) NOT NULL

)

CREATE TABLE [dbo].[shifts\_scheduled\_shaw](

    [shift\_id] [int] NOT NULL,

    [shift\_day] [varchar](50) NOT NULL,

    [shift\_time] [varchar](50) NOT NULL,

    [shift\_type] [varchar](50) NOT NULL,

    [StudentName] [varchar](41) NOT NULL,

    [supervisorname] [varchar](41) NOT NULL

)

/\*

CREATE TABLE [dbo].[worked\_hours](

    [student\_id] [int] NOT NULL,

    [shift\_dining\_id] [int] NOT NULL,

    [Student\_name] [varchar](41) NOT NULL,

    [totalhours] [int] NULL

)

\*/

--------------------------------Stored Procedures-------------------------

drop PROCEDURE if exists daily\_shifts

GO

create  procedure daily\_shifts as

     BEGIN

--totalshifts

 TRUNCATE TABLE shifts\_scheduled

     insert into shifts\_scheduled

     select top(1000) shift\_id,shift\_dining\_id,shift\_day,shift\_time ,shift\_type,s2.student\_firstname+' '+s2.Student\_lastname as StudentName,s3.supervisor\_firstname+' '+supervisor\_lastname as supervisorname

     from shifts s1

     join student\_employees s2 on s1.shift\_student\_id = s2.student\_id

     join supervisors s3 on s1.shift\_supervisor = s3.supervisor\_id

     group by shift\_day,shift\_time,shift\_type, s2.student\_firstname,s2.student\_lastname,supervisor\_firstname,supervisor\_lastname,shift\_id,shift\_dining\_id

     ORDER BY

          CASE

               WHEN shift\_day = 'Sunday' THEN 1

               WHEN shift\_day = 'Monday' THEN 2

               WHEN shift\_day = 'Tuesday' THEN 3

               WHEN shift\_day = 'Wednesday' THEN 4

               WHEN shift\_day = 'Thursday' THEN 5

               WHEN shift\_day = 'Friday' THEN 6

               WHEN shift\_day = 'Saturday' THEN 7

          END ASC,

          CASE

          when shift\_time = 'Breakfast' then 1

          when shift\_time = 'Lunch' then 2

          when shift\_time = 'Dinner' then 3

          END ASC

---ernie

     TRUNCATE TABLE shifts\_scheduled\_ernie

     insert into shifts\_scheduled\_ernie

     select top(1000) shift\_id,shift\_day,shift\_time ,shift\_type,s2.student\_firstname+' '+s2.Student\_lastname as StudentName,s3.supervisor\_firstname+' '+supervisor\_lastname as supervisorname

     from shifts s1

     join student\_employees s2 on s1.shift\_student\_id = s2.student\_id

     join supervisors s3 on s1.shift\_supervisor = s3.supervisor\_id

     where shift\_dining\_id = 1

     group by shift\_day,shift\_time,shift\_type, s2.student\_firstname,s2.student\_lastname,supervisor\_firstname,supervisor\_lastname,shift\_id

     ORDER BY

          CASE

               WHEN shift\_day = 'Sunday' THEN 1

               WHEN shift\_day = 'Monday' THEN 2

               WHEN shift\_day = 'Tuesday' THEN 3

               WHEN shift\_day = 'Wednesday' THEN 4

               WHEN shift\_day = 'Thursday' THEN 5

               WHEN shift\_day = 'Friday' THEN 6

               WHEN shift\_day = 'Saturday' THEN 7

          END ASC,

          CASE

          when shift\_time = 'Breakfast' then 1

          when shift\_time = 'Lunch' then 2

          when shift\_time = 'Dinner' then 3

          END ASC

---saddler

      TRUNCATE TABLE shifts\_scheduled\_saddler

     insert into shifts\_scheduled\_saddler

     select top(1000) shift\_id,shift\_day,shift\_time ,shift\_type,s2.student\_firstname+' '+s2.Student\_lastname as StudentName,s3.supervisor\_firstname+' '+supervisor\_lastname as supervisorname

     from shifts s1

     join student\_employees s2 on s1.shift\_student\_id = s2.student\_id

     join supervisors s3 on s1.shift\_supervisor = s3.supervisor\_id

     where shift\_dining\_id = 2

     group by shift\_day,shift\_time,shift\_type, s2.student\_firstname,s2.student\_lastname,supervisor\_firstname,supervisor\_lastname,shift\_id

     ORDER BY

          CASE

               WHEN shift\_day = 'Sunday' THEN 1

               WHEN shift\_day = 'Monday' THEN 2

               WHEN shift\_day = 'Tuesday' THEN 3

               WHEN shift\_day = 'Wednesday' THEN 4

               WHEN shift\_day = 'Thursday' THEN 5

               WHEN shift\_day = 'Friday' THEN 6

               WHEN shift\_day = 'Saturday' THEN 7

          END ASC,

          CASE

          when shift\_time = 'Breakfast' then 1

          when shift\_time = 'Lunch' then 2

          when shift\_time = 'Dinner' then 3

          END ASC

---shaw

 TRUNCATE TABLE shifts\_scheduled\_shaw

     insert into shifts\_scheduled\_shaw

     select top(1000) shift\_id,shift\_day,shift\_time ,shift\_type,s2.student\_firstname+' '+s2.Student\_lastname as StudentName,s3.supervisor\_firstname+' '+supervisor\_lastname as supervisorname

     from shifts s1

     join student\_employees s2 on s1.shift\_student\_id = s2.student\_id

     join supervisors s3 on s1.shift\_supervisor = s3.supervisor\_id

     where shift\_dining\_id = 3

     group by shift\_day,shift\_time,shift\_type, s2.student\_firstname,s2.student\_lastname,supervisor\_firstname,supervisor\_lastname, shift\_id

     ORDER BY

          CASE

               WHEN shift\_day = 'Sunday' THEN 1

               WHEN shift\_day = 'Monday' THEN 2

               WHEN shift\_day = 'Tuesday' THEN 3

               WHEN shift\_day = 'Wednesday' THEN 4

               WHEN shift\_day = 'Thursday' THEN 5

               WHEN shift\_day = 'Friday' THEN 6

               WHEN shift\_day = 'Saturday' THEN 7

          END ASC,

          CASE

          when shift\_time = 'Breakfast' then 1

          when shift\_time = 'Lunch' then 2

          when shift\_time = 'Dinner' then 3

          END ASC

END

--exec daily\_shifts

drop procedure if exists employee\_hours

GO

create procedure employee\_hours as

begin

    drop table if exists total\_hours

    select student\_id,shift\_dining\_id, student\_firstname+' '+student\_lastname as Student\_name, sum(shift\_duration) as totalhours, STRING\_AGG(shift\_id,',') as shifts\_inhand

        into total\_hours

        from shifts s1

    join student\_employees s2 on s1.shift\_student\_id = s2.student\_id

    group by student\_id,student\_firstname,student\_lastname,shift\_dining\_id

    drop table if exists worked\_hours

    select student\_id,shift\_dining\_id, student\_firstname+' '+student\_lastname as Student\_name, sum(shift\_duration) as totalhours into worked\_hours from shifts s1

    join student\_employees s2 on s1.shift\_student\_id = s2.student\_id

    group by student\_id,student\_firstname,student\_lastname,shift\_dining\_id

END

exec employee\_hours

GO

drop procedure if EXISTS sub\_e

GO

create procedure sub\_e(

    @shift int, @subbed int

) as BEGIN

    insert into subshifts\_ernie(sub\_subbedby,sub\_shift\_id)

    values(@shift,@subbed)

END

--exec sub 1,1

GO

drop procedure if exists subpick\_e

GO

create procedure subpick\_e(

    @subid int, @pickedby int

) as BEGIN

    update subshifts\_ernie

    set sub\_pickedby = @pickedby

    where sub\_id = @subid

END

--exec subpick 1,2

drop procedure if EXISTS sub\_s

GO

create procedure sub\_s(

    @shift int, @subbed int

) as BEGIN

    insert into subshifts\_saddler(sub\_subbedby,sub\_shift\_id)

    values(@shift,@subbed)

END

--exec sub 1,1

GO

drop procedure if exists subpick\_s

GO

create procedure subpick\_s(

    @subid int, @pickedby int

) as BEGIN

    update subshifts\_saddler

    set sub\_pickedby = @pickedby

    where sub\_id = @subid

END

--exec subpick 1,2

------------------Triggers and Views-------------------------------

drop view if exists v\_total\_hours\_ernie

GO

create view v\_total\_hours\_ernie as(

select student\_id,Student\_name, totalhours, shifts\_inhand from total\_hours

where shift\_dining\_id = 1

)

GO

drop view if exists v\_total\_hours\_saddler

GO

create view v\_total\_hours\_saddler as(

select student\_id,Student\_name, totalhours,shifts\_inhand from total\_hours

where shift\_dining\_id = 2

)

GO

drop view if exists v\_total\_hours\_shaw

GO

create view v\_total\_hours\_shaw as(

select student\_id,Student\_name, totalhours from total\_hours

where shift\_dining\_id = 3

)

 GO

drop view if exists v\_subshifts\_ernie

go

create view v\_subshifts\_ernie as(

    select sub\_id,sub\_shift\_id,shift\_dining\_id,sub\_subbedby,shift\_day,shift\_time,shift\_type,sub\_pickedby from subshifts\_ernie s

    join shifts\_scheduled s1 on s.sub\_shift\_id = s1.shift\_id

)

GO

drop view if exists v\_subshifts\_saddler

GO

create view v\_subshifts\_saddler as(

    select sub\_id,sub\_shift\_id,shift\_dining\_id,sub\_subbedby,shift\_day,shift\_time,shift\_type,sub\_pickedby from subshifts\_saddler s

    join shifts\_scheduled s1 on s.sub\_shift\_id = s1.shift\_id

)

 GO

drop view if exists v\_final\_payments

go

create view v\_final\_payments as (

select \*, totalhours\*15.30 as payment from worked\_hours

)

go

--------------------------------------

--------ernie------------

drop trigger if exists t\_subbed\_e

go

create trigger t\_subbed\_e

    on subshifts\_ernie

    after INSERT

as  BEGIN

        if exists(select sub\_shift\_id from inserted)

            BEGIN

                update worked\_hours

                                set totalhours = (select totalhours-shift\_duration from (select  sub\_subbedby,s1.shift\_duration from shifts s1

                                                    join inserted sb  on s1.shift\_id = sb.sub\_shift\_id) x

                                                    join worked\_hours w ON w.student\_id = x.sub\_subbedby)

                where student\_id = (select sub\_subbedby from inserted)

        end

END

drop trigger if exists t\_subpicked\_e

go

create trigger t\_subpicked\_e

    on subshifts\_ernie

    after Insert,update

as  BEGIN

        if exists(select sub\_pickedby  from inserted)

            BEGIN

                update worked\_hours

                    set totalhours = (select totalhours+shift\_duration from (select  sub\_pickedby,s1.shift\_duration from shifts s1

                                        join inserted sb  on s1.shift\_id = sb.sub\_shift\_id) x

                                        join worked\_hours w ON w.student\_id = x.sub\_pickedby)

                    where student\_id = (select sub\_pickedby from inserted)

        end

END

------saddler-------------------------------

drop trigger if exists t\_subbed\_s

go

create trigger t\_subbed\_s

    on subshifts\_saddler

    after INSERT

as  BEGIN

        if exists(select sub\_shift\_id from inserted)

            BEGIN

                update worked\_hours

                                set totalhours = (select totalhours-shift\_duration from (select  sub\_subbedby,s1.shift\_duration from shifts s1

                                                    join inserted sb  on s1.shift\_id = sb.sub\_shift\_id) x

                                                    join worked\_hours w ON w.student\_id = x.sub\_subbedby)

                where student\_id = (select sub\_subbedby from inserted)

        end

END

drop trigger if exists t\_subpicked\_s

go

create trigger t\_subpicked\_s

    on subshifts\_saddler

    after Insert,update

as  BEGIN

        if exists(select sub\_pickedby  from inserted)

            BEGIN

                update worked\_hours

                    set totalhours = (select totalhours+shift\_duration from (select  sub\_pickedby,s1.shift\_duration from shifts s1

                                        join inserted sb  on s1.shift\_id = sb.sub\_shift\_id) x

                                        join worked\_hours w ON w.student\_id = x.sub\_pickedby)

                    where student\_id = (select sub\_pickedby from inserted)

        end

END