

```

-- create a database

DROP database IF exists climatrix;
CREATE database climatrix;

use climatrix;
--
-----
-----
create table consultant(

    ConsltNum int PRIMARY KEY auto_increment,
    LastName char(15),
    FirstName char(15),
    Street char(15),
    City char(15),
    State char(2),
    ZipCode char(5),
    Hours decimal(4,2),
    Rate decimal(5,2)

);

insert into consultant (ConsltNum, LastName, FirstName, Street, City, State,
ZipCode, Hours, Rate)

values
(19,      'Turner',      'Christopher',  '554 Brown Dr.',      'Tri City',
'FL',    32889,  40,    22.5),
(22,      'Jordan',      'Patrick',      '2287 Port Rd.',      'Easton',
'FL',    33998,  40,    22.5),
(35,      'Allen',      'Sarah',        '82 Elliott St.',      'Lizton',
'FL',    34344,  35,    20),
(51,      'Shields',    'Tom',          '373 Lincoln Ln.',      'Sunland',      'FL', 39876,
10,      15);

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

create table Client(

    ClientNum int PRIMARY KEY auto_increment,
    ClientName char(35),
    Street char(20),
    City char(15),
    State char(2),
    ZipCode char(5),
    Balance decimal(8,2),
    CreditLimit decimal(8,2),

```

```

        ConsltNum int,
        constraint k_conslt_num foreign key (ConsltNum) references consultant
(ConsltNum)

);

insert into Client
values
(143, 'Hershey, Jarrod', '135 E. Mill Street', 'Easton', 'FL', 33998, 1904.55, 2500,
19),
(299, 'Two Crafty Cousins', '9787 NCR 350 West', 'Sunland', 'FL', 3987, 8354, 10000,
22),
(322, 'Prichards Pizza & Pasta', '501 Air Parkway', 'Lizton', 'FL', 34344, 7335.55,
10000, 35),
(363, 'Salazar Jason', '56473 Cherry Tree Dr', 'Easton', 'FL', 33998, 900.75, 2500,
35),
(405, 'Fishermans Spot Shop', '49 Elwood Ave.', 'Harpersburg', 'FL', 31234, 4113.40,
7500, 19),
(449, 'Seymour, Lindsey', '4091 Brentwood Ln', 'Amo', 'FL', 34466, 557.7, 5000,
22),
(458, 'Bonnies Beautiful Boutique', '9565 Ridge Rd.', 'Tri City', 'FL',
32889, 4053.8, 7500, 22),
(677, 'Yates, Nick', '231 Day Rd.', 'Sunland', 'FL', 39876, 2523.8,
2500, 35),
(733, 'Howler, Laura', '1368 E. 1000 S.', 'Lizton', 'FL', 34344,
3658.05, 5000, 22),
(75, 'Goduto, Sean', '12 Saratoga Parkway', 'Tri City', 'FL', 32889,
2814.55, 5000, 19),
(826, 'Harpersburg Bank', '65 Forrest Blvd.', 'Harpersburg', 'FL',
31234, 6824.55, 10000, 19),
(867, 'MarketPoint Sales', '826 Host St.', 'Easton', 'FL', 33998,
3089, 5000, 19);

```

--


```

create table workorders(

        OrderNum int PRIMARY KEY auto_increment,
        OrderDate date,
        ClientNum int,
        constraint k_client_num foreign key (ClientNum) references Client
(ClientNum)

);

insert into workorders

```

```

values
(67101, '2018-09-06', 733),
(67313, '2018-09-07', 458),
(67424, '2018-09-10', 322),
(67838, '2018-09-10', 867),
(67949, '2018-09-10', 322),
(68252, '2018-09-12', 363),
(68868, '2018-09-14', 867), -- for some reason there is an error right here
(68979, '2018-09-17', 826);

```

```
--
```

```
-----
-----
```

```

create table tasks(

        TaskID char(4) PRIMARY KEY,
        Description varchar(30),
        Category char(3),
        Price decimal(6,2)

);

```

```
insert into tasks
```

```

values
('AC65', 'Accessories', 'ACC', 80),
('DA11', 'Data recovery major', 'DRM', 175),
('DI85', 'Data recovery minor', 'DRM', 50),
('HA63', 'Hardware major', 'HAM', 225),
('HI31', 'Hardware minor', 'HAM', 165),
('LA81', 'Local area networking (LAN)', 'LAN', 104),
('MO49', 'Mobility', 'MOB', 65),
('OT99', 'Other work', 'OTH', 99.99),
('PI54', 'Printing issues', 'PRI', 50),
('SA44', 'Software major', 'SOM', 200),
('SI77', 'Software minor', 'SOM', 144),
('SI91', 'Security install/repair', 'SIR', 126),
('UP38', 'Upgrades', 'UPG', 185),
('VR39', 'Virus removal', 'VIR', 90),
('WA33', 'Wide area networking (WAN)', 'WAN', 130),
('WC19', 'Web connectivity', 'WEC', 75);

```

```
--
```

```
-----
-----
```

```
create table orderline(
```

```

        OrderNum int,
        constraint k_order_num foreign key (OrderNum) references workorders (OrderNum),

        TaskID char(4),
        constraint k_taskid_num foreign key (TaskID) references tasks (TaskID),
        -- because ordernum and taskid are jointly primary keys
        -- need to do this 'primary key (ordernum, taskid)'
        ScheduledDate date,
        QuotedPrice decimal(6,2)

);

insert into orderline

values
(67101, 'SI77' , '2018-09-10', 144), -- samwe with this, expecting an integer but I
gave it a string. what do I do? Also getting an error code in my date, it is
expecting some other date
(67313, 'LA81', '2018-09-12', 104),
(67424, 'MO49', '2018-09-14', 65),
(67424, 'UP38', '2018-09-14', 185),
(67838, 'LA81', '2018-09-14', 104),
(67949, 'PI54', '2018-09-21', 50),
(67949, 'VR39', '2018-09-21', 88),
(67949, 'WA33', '2018-09-21', 126),
(68252, 'DI85', '2018-09-24', 50),
(68868, 'SA44', '2018-09-24', 200),
(68979, 'AC65', '2018-09-27', 77),
(68979, 'DA11', '2018-09-27', 970);

```