create database expenditures

create table product(

proId int not null identity(1,1),

catId int,

proName varchar(50) not null,

proBrand varchar(50),

proQty int,

proWght float(3),

proVol float(3),

proType varchar(50),

CONSTRAINT [PK\_proId] PRIMARY KEY CLUSTERED ([proId] ASC)

)ON [PRIMARY]

GO

alter table product

add foreign key (catId) references category(catId)

insert into product (catId, proName, proBrand, proQty, proWght, proVol, proType)values (1,'bread', 'aa', null, 0.4, null,'piece' )

create table company(

comId int not null identity(1,1),

comName varchar(50),

comAddress varchar(50),

CONSTRAINT [PK\_comId] PRIMARY KEY CLUSTERED ([comId] ASC)

) ON [PRIMARY]

GO

insert into company(comName, comAddress) values('aa', 'bb')

insert into company(comName, comAddress) values('cc', 'dd')

create table category(

catId int not null identity(1,1),

catName varchar(50),

CONSTRAINT [PK\_catId] PRIMARY KEY CLUSTERED ([catId] ASC)

)ON [PRIMARY]

GO

insert into category(catName) values('foods')

insert into category(catName) values('beverages')

create table purchase(

proId int not null,

comId int not null,

purDateTime datetime not null,

purQuantity int,

purPrice float(2),

purTotPrice float(3),

foreign key (proId) references product(proId),

foreign key (comId) references company(comId),

CONSTRAINT [PK\_proId\_comId\_purDateTime] PRIMARY KEY CLUSTERED (proId, comId, purDateTime ASC)

)

insert into purchase(proId, comId, purDateTime, purQuantity, purPrice, purTotPrice) values (11, 1, '20201021', 3, 0.72, 2.16)

insert into purchase(proId, comId, purDateTime, purQuantity, purPrice, purTotPrice) values (18, 1, '20201021', 2, 1.70, 3.4)