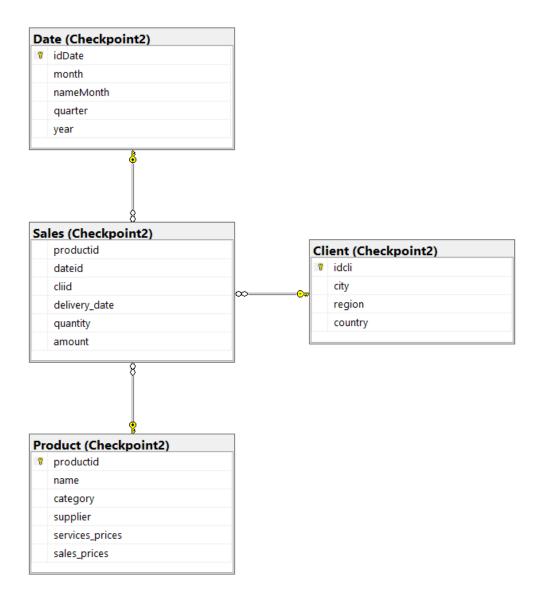
```
Checkpoint (2):
-- Create database checkpoints;
--CLIENT (idcli, city, region, country)
--CREATE SCHEMA Checkpoint2;
CREATE TABLE Checkpoint2.Client (
       idcli INT IDENTITY (1, 1) PRIMARY KEY
       , city VARCHAR (255)
       , region VARCHAR (255)
       , country VARCHAR (255)
);
--PRODUCT (productid, name, category, services_price, sales_price, supplier)
CREATE TABLE Checkpoint2.Product (
       productid INT IDENTITY (1, 1) PRIMARY KEY
       , name VARCHAR (255)
       , category VARCHAR (255)
       , supplier VARCHAR (255)
       , services_prices Int
       , sales prices int
);
--DATE (idDate, month, nameMonth, quarter, year)
CREATE TABLE Checkpoint2.Date (
       idDate INT IDENTITY (1, 1) PRIMARY KEY
       , month VARCHAR (2)
       , nameMonth VARCHAR (25)
       , quarter VARCHAR (25)
       , year varchar (4)
);
--SALES (productid, dateid, cliid, delivery_date, quantity, amount)
CREATE TABLE Checkpoint2.Sales (
       productid INT
       , dateid Int
       , cliid Int Identity (1,1)
       , delivery_date DATE
       , quantity Int
       , amount int ,
FOREIGN KEY (cliid)
    REFERENCES Checkpoint2.Client (idcli) ,
FOREIGN KEY (dateid)
       REFERENCES Checkpoint2.Date (idDate) ,
Foreign Key (productid)
       References checkpoint2.product (productid)
```

);



1.State which fact tables and dimension tables are in the star schema for this warehouse.

The fact table is sales table while the dimension tables are the date, client, and product tables

2. What are the measurements?

The measurements are quantity, amount, sales and services prices.

3. We want to transform this schema into a snowflake schema. Give the new representation of the DATE and CLIENT tables.

```
Create table checkpoint2.fulldate (
       date_id INT identity (1,1) Primary key
       , full_date date
Select MONTH (full_date) as month
, datename (month, full date) as nameMonth
, DATEPART (quarter, full_date) as quarter
, year (full_date) as year
       into checkpoint2.Date_details
from checkpoint2.fulldate
alter table checkpoint2.Date details
add date id int
       references checkpoint2.fulldate (date_id)
alter table checkpoint2. Sales
add date id int
alter table checkpoint2.Sales
add foreign key (date_id)
       references checkpoint2.fulldate (date_id)
drop table dbo.client_name
create table checkpoint2.client_name (
       client_id int identity (1,1) primary key
       , client_name varchar (255)
);
drop table checkpoint2.client_location
create table checkpoint2.client_location (
      city VARCHAR (255)
       , region VARCHAR (255)
       , country VARCHAR (255)
       , client id int
             references checkpoint2.client name (client id)
);
alter table checkpoint2.Sales
add foreign key (cliid)
       references checkpoint2.client_name (client_id)
```

4. Design the corresponding snowflake schema.

