**EXPERIMENT NO 7**

**STAR SCHEMA**

**/\*Count of drugs ordered from the company by the pharmacy in the year 2017\*/**

create table fact

(

f\_id int not null,

ph\_id int NOT NULL,

time\_key time,

c\_id int not null,

trade\_name varchar(30) NOT NULL,

qty int

)

alter table fact

add constraint PK\_factID primary key(f\_id);

ALTER TABLE fact

ADD CONSTRAINT FK\_phID\_fact FOREIGN KEY(ph\_id) REFERENCES PHARMACY(ph\_id);

ALTER TABLE fact

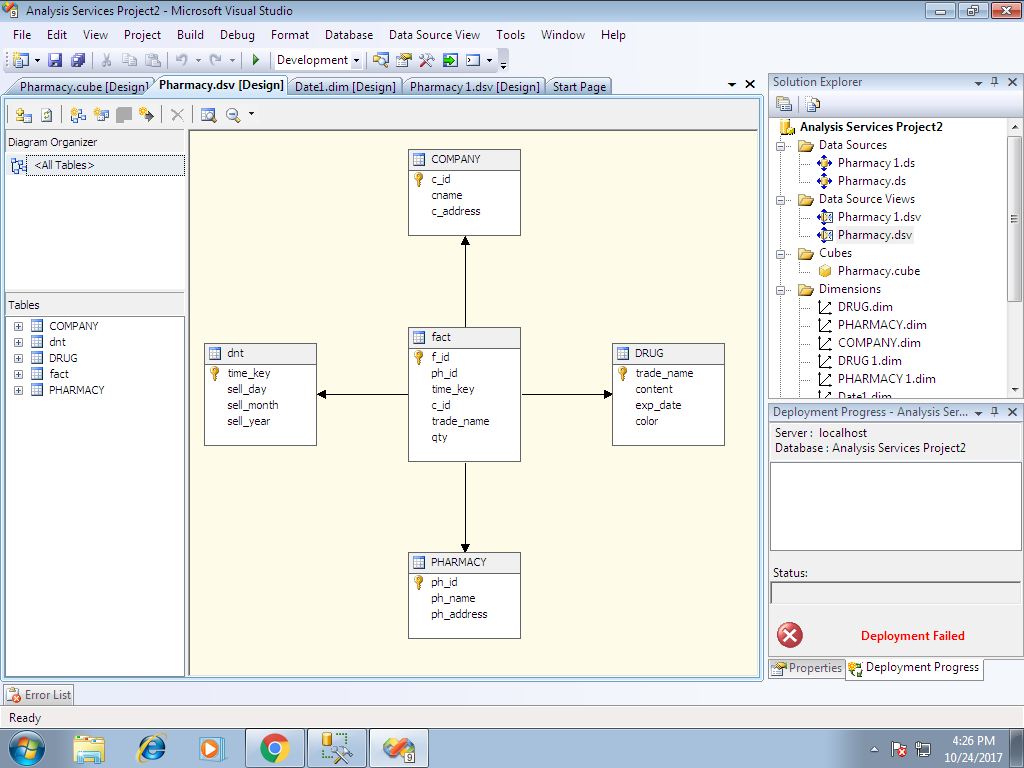
ADD CONSTRAINT FK\_tradename\_fact FOREIGN KEY(trade\_name) REFERENCES DRUG(trade\_name)

ALTER TABLE fact

ADD CONSTRAINT FK\_time\_fact FOREIGN KEY(time\_key) REFERENCES dnt(time\_key)

ALTER TABLE fact

ADD CONSTRAINT FK\_c\_id\_fact FOREIGN KEY(c\_id) REFERENCES company(c\_id)



**SNOWFLAKE SCHEMA**

**/\*Derived date dimension\*/**

create table snow\_fact

(

f\_id int not null,

ph\_id int NOT NULL,

date\_key date,

c\_id int not null,

trade\_name varchar(30) NOT NULL,

qty int

)

alter table snow\_fact

add constraint PK\_snow\_factID primary key(f\_id);

ALTER TABLE snow\_fact

ADD CONSTRAINT FK\_phID\_snow\_fact FOREIGN KEY(ph\_id) REFERENCES PHARMACY(ph\_id);

ALTER TABLE snow\_fact

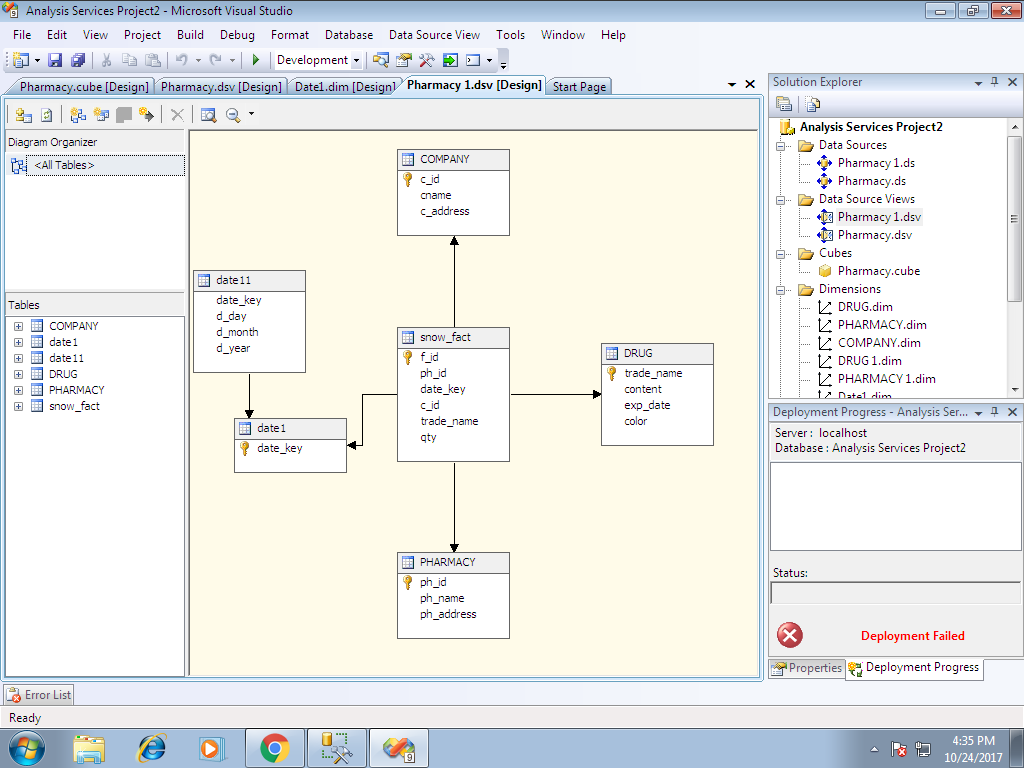
ADD CONSTRAINT FK\_tradename\_snow\_fact FOREIGN KEY(trade\_name) REFERENCES DRUG(trade\_name)

ALTER TABLE snow\_fact

ADD CONSTRAINT FK\_time\_snow\_fact FOREIGN KEY(date\_key) REFERENCES date1(date\_key)

ALTER TABLE snow\_fact

ADD CONSTRAINT FK\_c\_id\_snow\_fact FOREIGN KEY(c\_id) REFERENCES company(c\_id)



**FACT CONSTELLATION SCHEMA**

**/\*No. Of employees working in the pharmacy\*/**

create table no\_of\_emp

(

num\_key int PRIMARY KEY,

ph\_id int FOREIGN KEY(ph\_id) REFERENCES pharmacy(ph\_id),

eid int FOREIGN KEY(eid) REFERENCES employee(eid)

)

