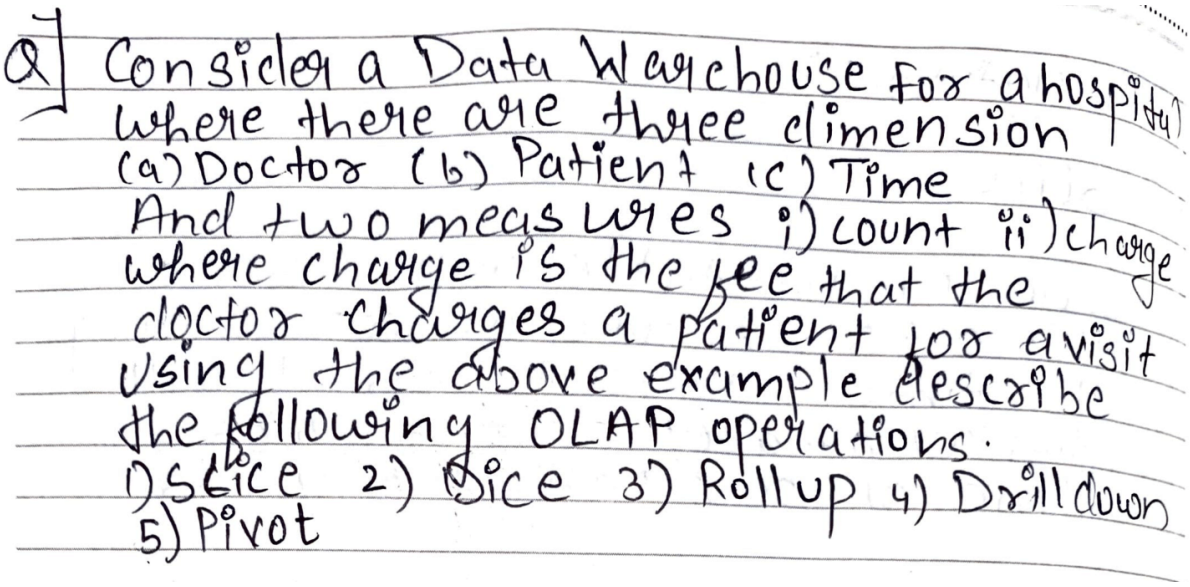
Course Code: CSL603	**Course Name: DWM LAB**
Class: TE-CO	**Batch: 3**
Roll no: 18CO63	**Name: SHAIKH TAUSEEF MUSHTAQUE ALI**

Experiment :03

Aim: Draw OLAP operations for the given case study.

Output:



⇒ Dimention Table:

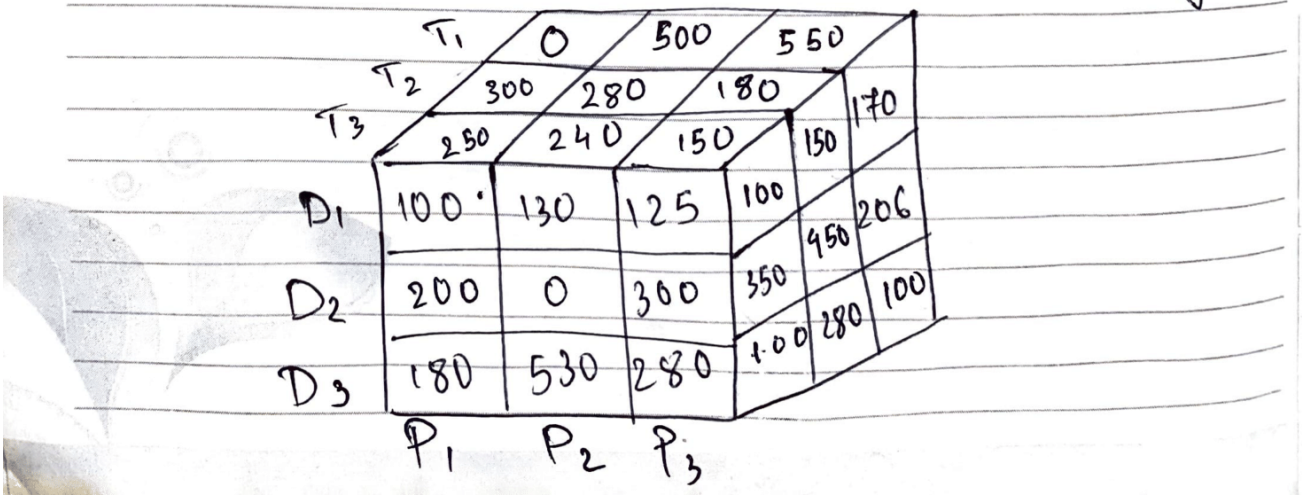
1) Doctor (DID, name, mob, add, specialisation)

2) Patient (PID, name, mob, add)

3) Time (TID, day, month, quarter, year)

Fact Table:

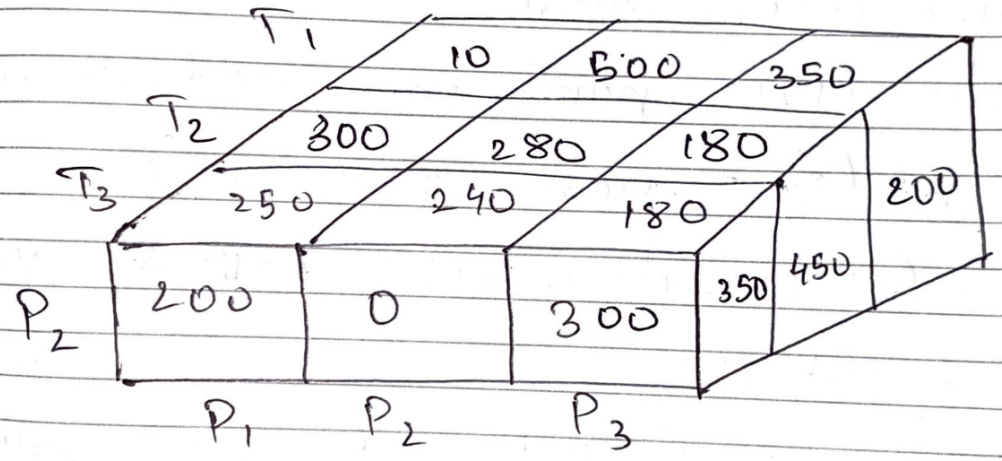
fact_table (DID, PID, TID, count, charge)



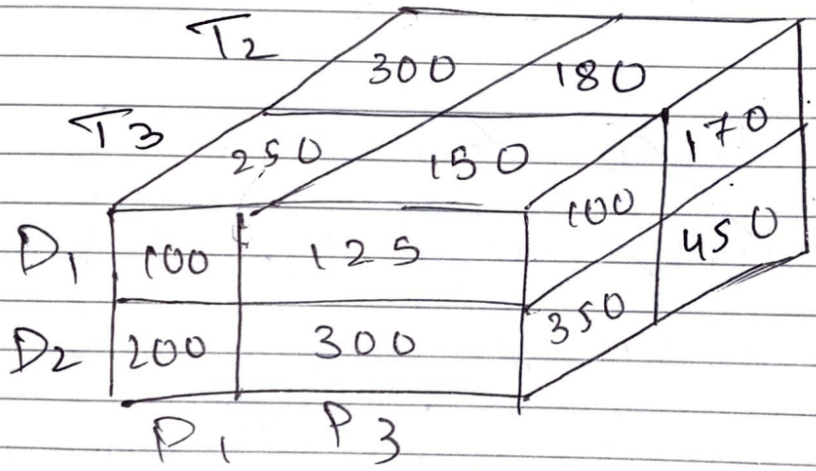
Operations:

1) Slice:

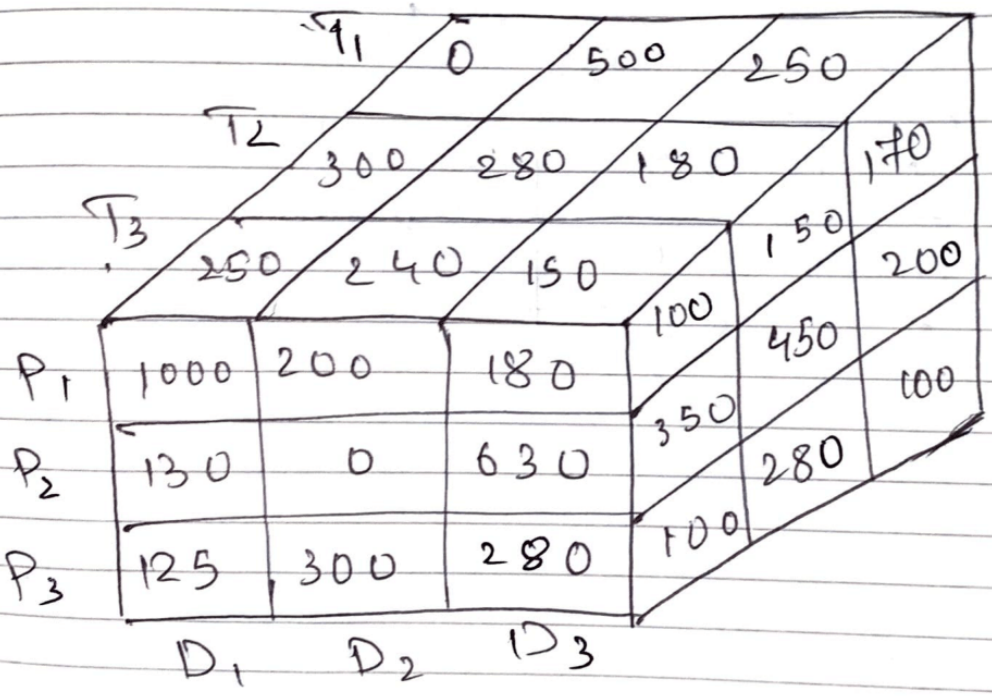
Slice on fact table with DID=1 this acts the cube at DID=2 along the time & Patient axis it will display area of cube in which time on x & patient on y axis



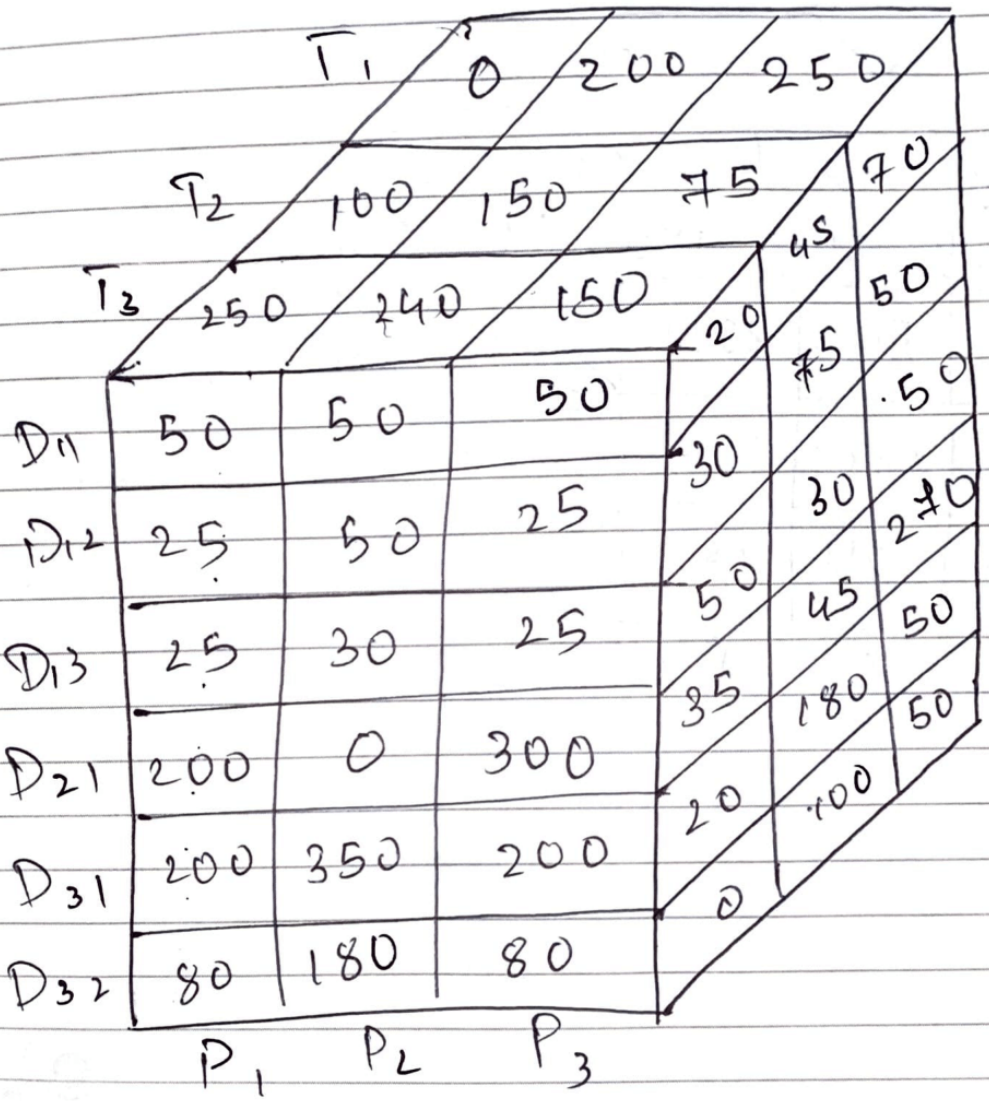
2) Dice : It is a sub cube of main cube Thus it cuts the cube with more than predicate like dice on cube with DID = 2 & DID = 1 & PID = 1 & PID = 3 & TID = 02 & 03



3) Roll up: It gives summary based on concept hierarchi or. Assuming there exists concept hierarchy in patient table as state → city → Location. The roll up will summarize the changes or count in terms of city or further roll up will give changes for a particular state etc.



4) Drill Down : It is opposite to roll up that means if currently cube is summarised with also show detailed view.



5) Pivot: It rotates the cube, sub cube or rolled up or drilled down cube, thus changing the view of the cube.