

No. 2

Title of the Program : Preparing data in the power BI

Data back up

→ Open SQL system server management(ssm)

→ Go to database

↳ Restore database

Select device :



↳ Add

↳ microsoft

↳ DA - 100 - Analyzing data

↳ DA - 100 - analyzing

↳ all files

↳ DA - 100 - all files

↳ Database backup

↳ select any file for backup

ex: Adventure works

DW 2020.bak

Successfully restored

close

Title of the Program :

M1

# Power BI

↳ options &amp; settings

↳ options

↳ current file

↳ data load -

↳ uncheck the relationships

# SQL server data

source(1) [servername : portnumber]

for hostname - Go to terminal powershell

&gt;&gt; hostname.

↳ enter ex : DESKTOP-PVJHSBG

copy the hostname (ctrl+c)

for portnumber :

Geto

Title of the Program :

No.

Go to SQL server 2019 configuration

↳ SQL server network configuration

↳ protocols for SQL EXPRESS

↳ TCP/IP — enabled

right click → properties.

↳ Go to IP address

IP A II

copy - TCP Dynamic ports

i.e., 63278

Title of the Program : Loading data in Power BI

### Data backup

→ Open SQL system server management (SSM)

→ Go to database

    ↳ Restore database

select device :

    ↳ Add

        ↳ microsoft

            ↳ DA - 100 - analyzing data

            ↳ DA - 100 - analyzing

            ↳ All files

            ↳ DA - 100 - All files

            ↳ Database backup

            ↳ Select any file for  
                backup

ex: adventure works

DA1 - 2020.bak

Successfully restored

close

Title of the Program :

No.

## # Power - BI

↳ options &amp; settings

↳ options

↳ current file

↳ data load -

↳ uncheck the relationships

SQL

## # ^ Server data

server(1) servername : portnumber

for servername - Go to terminal powershell

&gt;&gt; hostname

↳ enter ex: DESKTOP-PVJHSBG

copy the hostname (ctrl+c)

for portnumber :

Goto SQL server 2019 configuration

↳ SQL server network configuration

↳ protocols for SQL EXPRESS

Title of the Program :

No.

→ TCP/IP — enabled

right click → properties

→ Go to IP address

IPALI

Copy- TCP Dynamic ports

i.e., 63278

Ex: DESKTOP - PVIHSBG : 63278

OK

→ Select any items

→ Transform data

→ close & apply

→ select data

→ choose visualization

bmr  
≡

DesktopData backup :

Open SQL System Service management (SSM)

→ Go to Database

↳ Restore database

Select Device : .

↳ Add

↳ microsoft

↳ DA - 100 - Analyzing Data

↳ DA - 100 - Analyzing

↳ All files

↳ DA - 100 - All files

↳ Database backup

↳ select any file for backup

ex: Adventures works DBL 2020.bak

Successfully restored

## # Power - BI

↳ Options and settings

↳ option

↳ current file

↳ Databad

↳ uncheck the relationships.

# SQL Server data

Server (?) [servername : portnumber]

for servername - Go to terminal / powershell  
    >> hostname - enter

eg: DESKTOP - PVJHSBG

copy the hostname

for portnumber:

Go to SQL Server 2019 configuration

    ↳ SQL Server network configuration

        ↳ protocols for SQL express

            ↳ TCP | IP - enabled

                ↳ right click → properties

            ↳ Go to IP address

    IPA II

copy - TCP Dynamic ports

i.e., 63278

eg: DESKTOP - PVJHSBG : 63278

OK

Select any items :

↳ Transform Data

↳ close and apply

↳ select data

↳ choose visualization

# Select or Go to Model views

→ for one to one connection :

Select any one unique item from table and  
link it to unique item of another table

→ One to many :

Select any one unique item from one table  
and link it to many related items (not  
unique item)

No. 5

Title of the Program: Advanced data Modelling in

Power BI desktop.

# Data backup :

- Open SQL system service management (SSM)
- Go to database
- ↳ Restore database

Select device : 

↳ Add

↳ microsoft

↳ DA - 100 - Analyzing data

↳ DA - 100 - Analyzing

↳ All files

↳ DA - 100 - Allfiles

↳ Database backup

↳ select any file for backup

eg: Adventure works DW 2020.bck

Successfully restored

close

# Power - BI

→ Options &amp; settings

↳ options

↳ current file

Title of the Program :

Data load

↳ uncheck the relationships.

# SQL server data

Server (i) [servername : portnumber]

for servername → Go to terminal (powershell)  
↳ hostname → enter

eg: DESKTOP - PVJHSBG

Copy the hostname

for portnumber:

Go to SQL Server 2019 configuration

↳ SQL server network configuration

↳ protocols for SQL express

↳ TCP / IP - enabled

right-click → properties

↳ Goto IP address

IP A II

Copy - TCP Dynamic ports i.e 63278

eg: DESKTOP - PVJHSBG : 63278

OK

Select any items

↳ Transform Data

↳ close & apply

↳ select data

↳ choose visualization

# Select or Go to model views

• One to one :

Select any one unique item from one table &  
link it to unique item of another table

• One to many :

Select any one unique item from one table  
and link it to many related items of another  
table (or not unique item)

• Many to many :

Multiple items in one table can link to  
multiple items in another table.