

## AGENDA

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# INTRODUCTION ABOUT PROJECT:

This Project was designed to help organization to manage and analyze large volume of data in a scalable and flexible manner(Db2 warehouse).



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## KEY POINTS



## SOLUTION

## HIGH AVAILABILITY

Support high availability and disaster recovery option to ensure data availability and reliability

#### COST MANAGEMENT

IBM cloud provide flexible pricing options, so you can choose the plan that suits your budget

## SQL COMPATIBILITY

Using SQL make easier to user to write queries

#### HYBRID CLOUD

IBM cloud support hybrid cloud deployment, allowing you to connect your premises data source with Db2 warehouse in the cloud



DB2 WAREHOUSE

### INTEGRATED ANALYTICS

> A range of libraries and function helps you to get to the precise insights you need to drive better business outcomes.

### COMPATABILITY

Oracle and Netezza compatibility option make it easy to migrate. Free tooling helps you to convert existing applications.

## HYBRID-READY

Achieve the efficiency of a hybrid data ware house through a common analytical engine that can run advanced analytical against any data source.

#### SPEED AND SCALE

> For large data set the massively parallel processing(MPP)plans use multiple server to work on the same query simultaneously.



## CODING:

## 1. INSTALL IT USING PIP:

Pip install ibm\_db

## 2.IMPORT THE LIBRARIES:

Import ibm\_db

## 3.CONNECT TO DB2 WAREHOUSE ON CLOUD:

#Database connection parameter

Conn\_str=( "DATABASE=<YOUR\_DATABASE\_NAME>;"

"HOSTNAME=<YOUR\_HOSTNAME>;"

"PORT=<YOUR\_PORT>;"

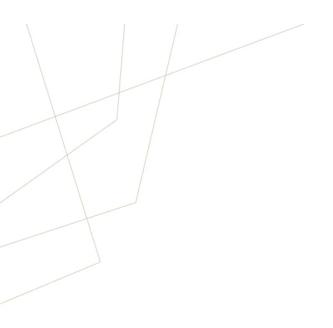
"PROTOCOL=TCPIP;"

"UID=<YOUR\_USERNAME>;"

"PWD=<YOUR\_PASSWORD>;")

Conn=ibm\_db.connect(conn\_str),"",

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## CODING

## 4.EXECUTE SQL QUERIES:

Sql\_query= "SELECT\*FROM your table"; Stmt = ibm\_db. exec\_immediate(conn,"SELECT\*FROM your\_table") While ibm\_db.fetch\_row(stmt):

### 5.CLOSE THE CONNECTION:

Ibm\_db.close(conn)

## Replace...

'<YOUR\_DATABASE\_NAME>',<YOUR\_PORT>',<YOUR\_USERNAME>',
'<YOUR\_PASSWORD>'

THESE ARE THE CODINGS TO CONNECT WITH DB2 WAREHOUSE.

## **SUMMARY**

IBM Db2 warehouse is a cloud based data warehouse solution designed to help organization efficiently manage and analyze their data, making it a valuable tool for datadriven decision-making and business intelligence.



## THANK YOU

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