Project Development Phase

Delivery of Sprint-3

Date	12 November 2022
Team ID	PNT2022TMID24001
Project Name	Inventory Management System For Retailer

Creating IBM Db2 database and chat-box using IBM Watson Assistant:

Creating IBM Db2 Database and Connecting it:

Step 1:

Go to IBM cloud resource list and click on database.

Step 2:

Create a database and use the service credentials on your python flask to connect to IBM Db2 database services.

Step 3:

Click on 'Go to UI' and click 'Data' on the left side.

Step 4:

Click tables and select the name of your database.

Step 5:

Create new table according to the database you need.

Step 6:

Verify it is working.

Creating Chat-Box using IBM Watson Assistant:

Step 1:

Go to IBM cloud resource list and click on IBM Watson Assistant.

Step 2:

Click on launch Watson Assistant.

Step 3:

Build your virtual assistant.

Step 4:

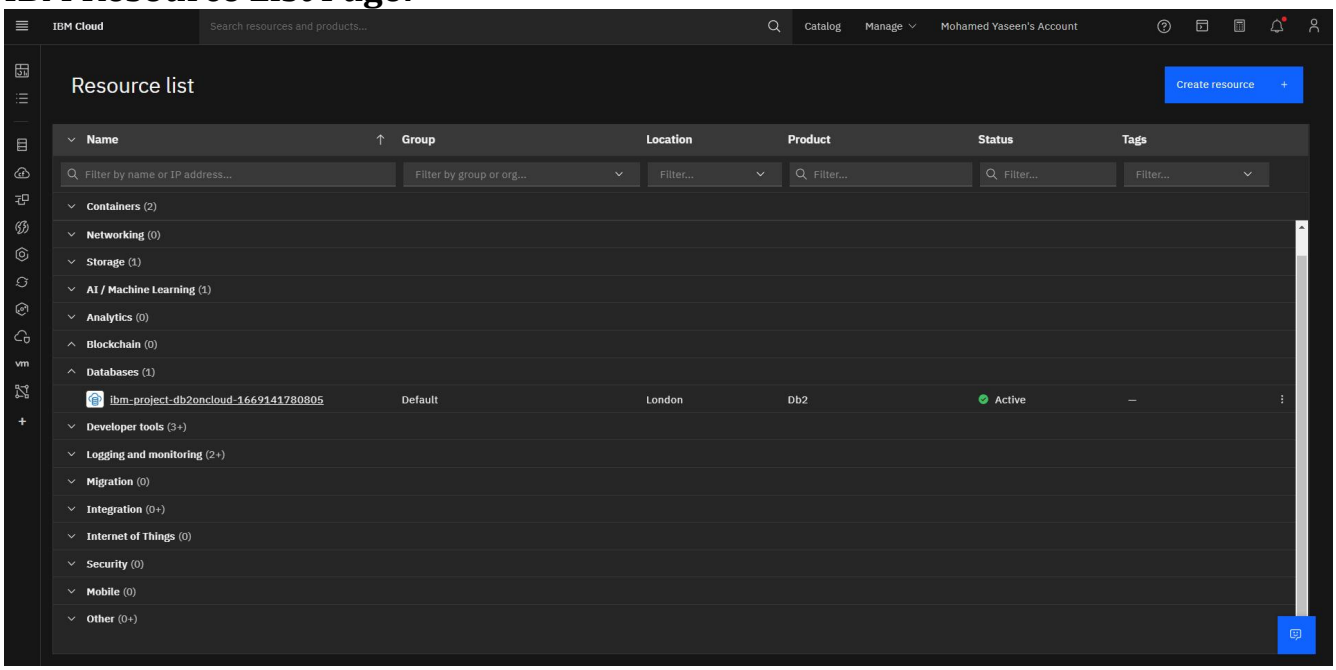
Add the script to your python file.

Step 5:

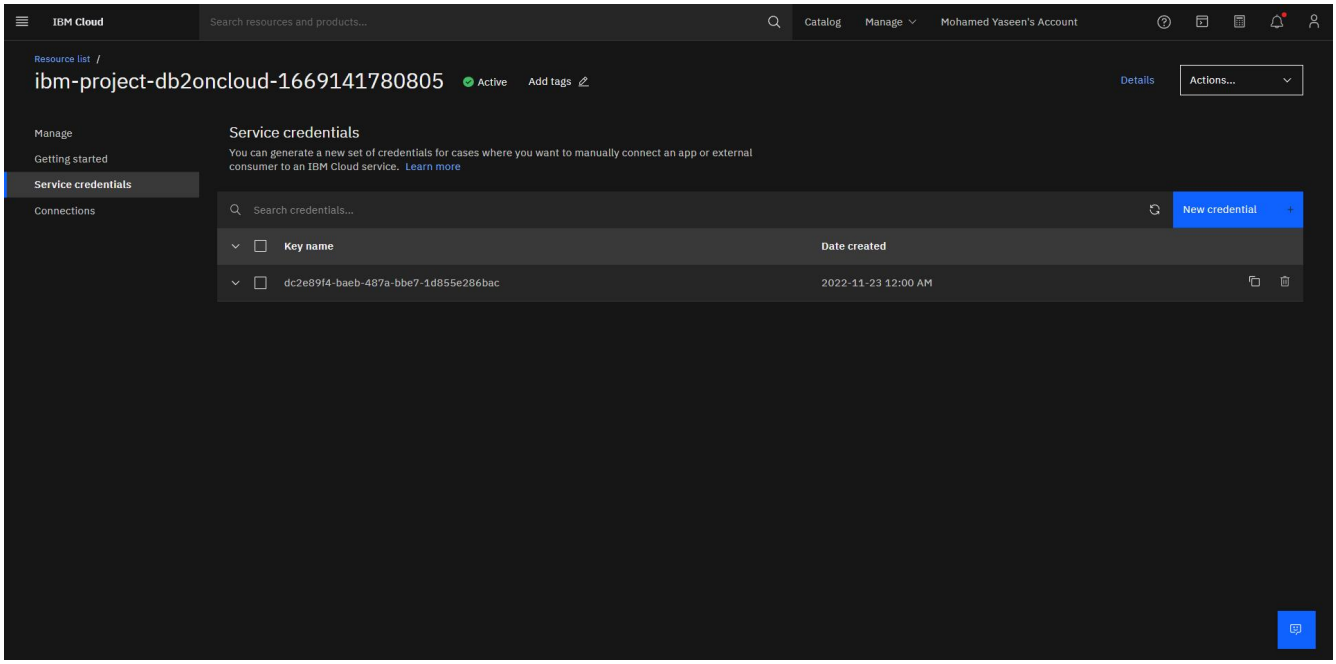
Verify on our application page.

IBM Db2 Database Output:

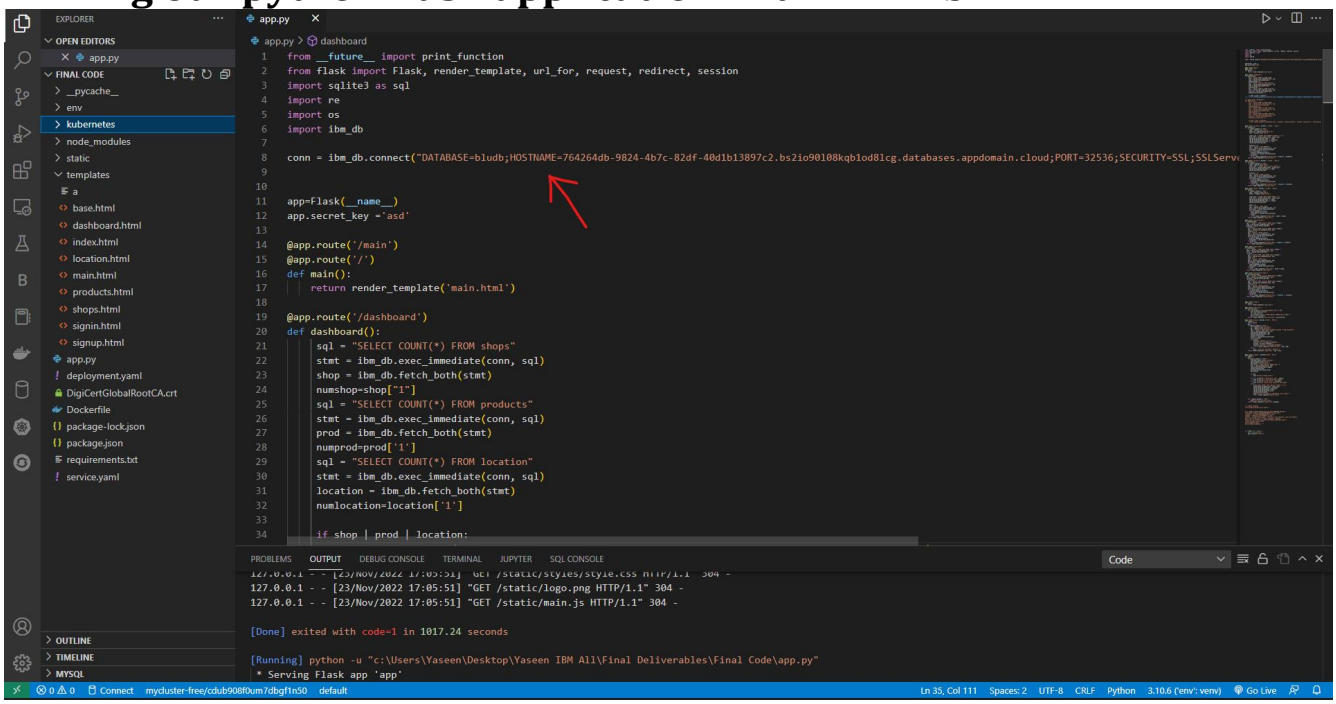
IBM Resource List Page:



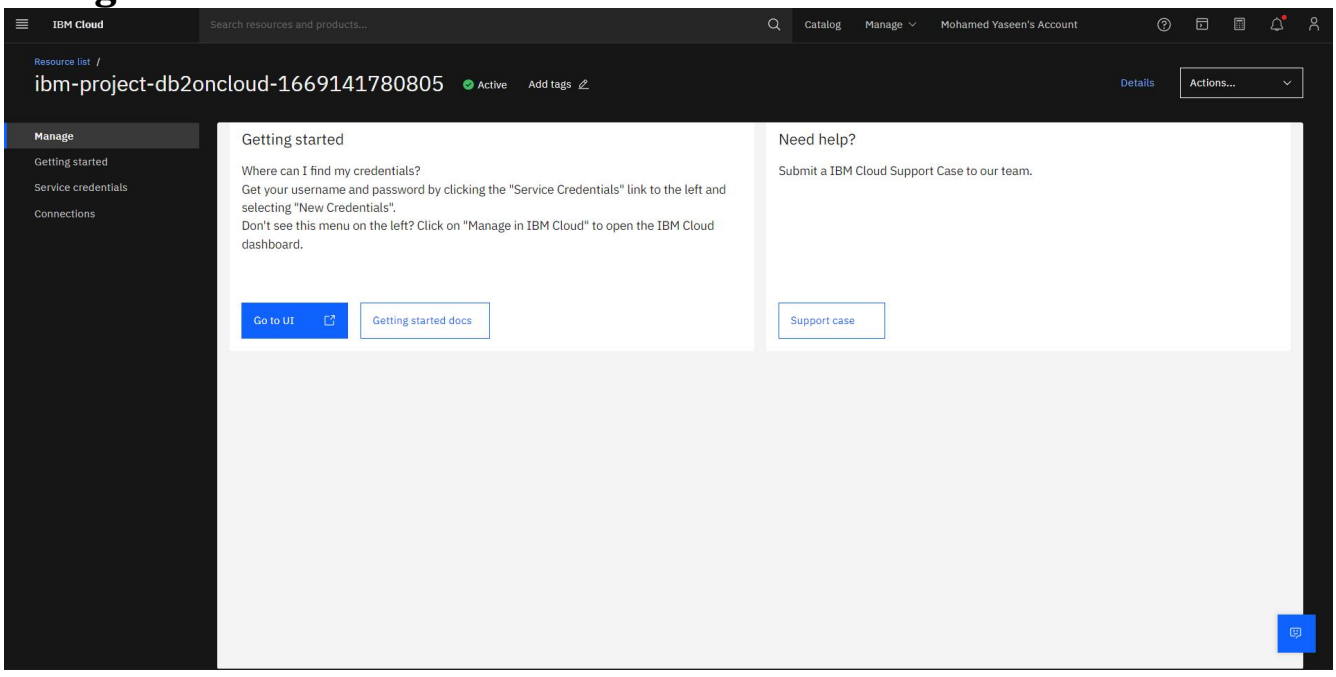
Db2 Service Credentials:

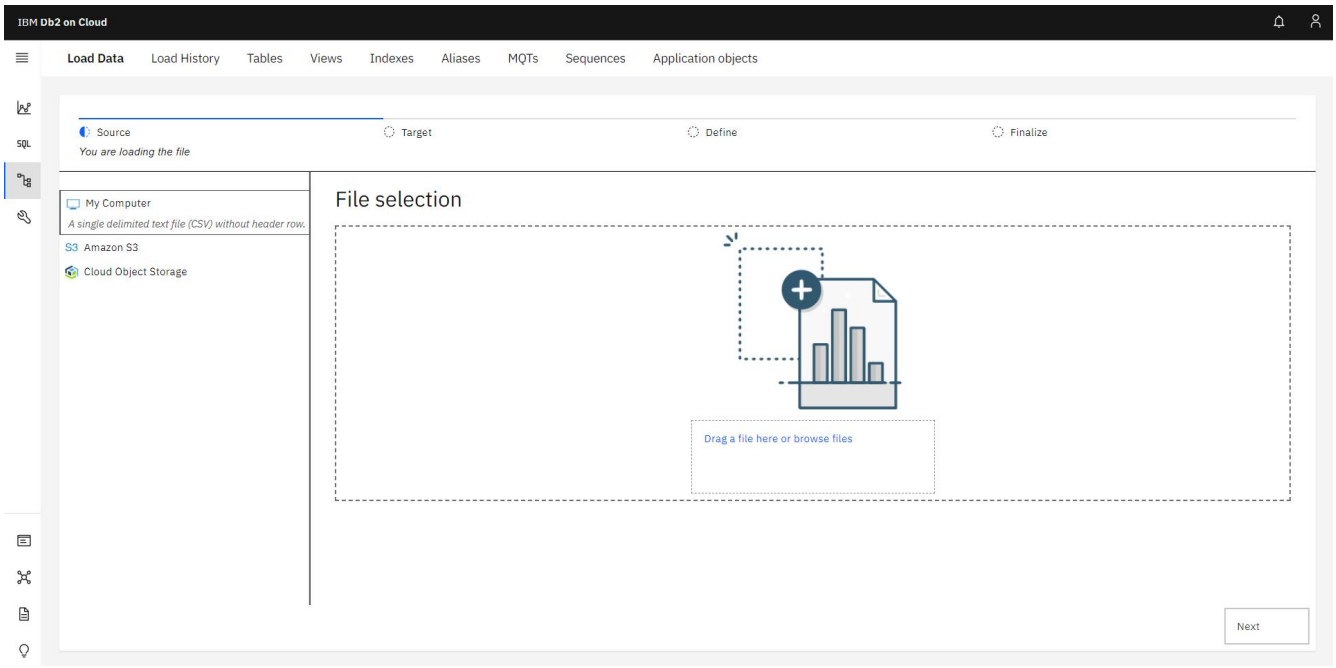


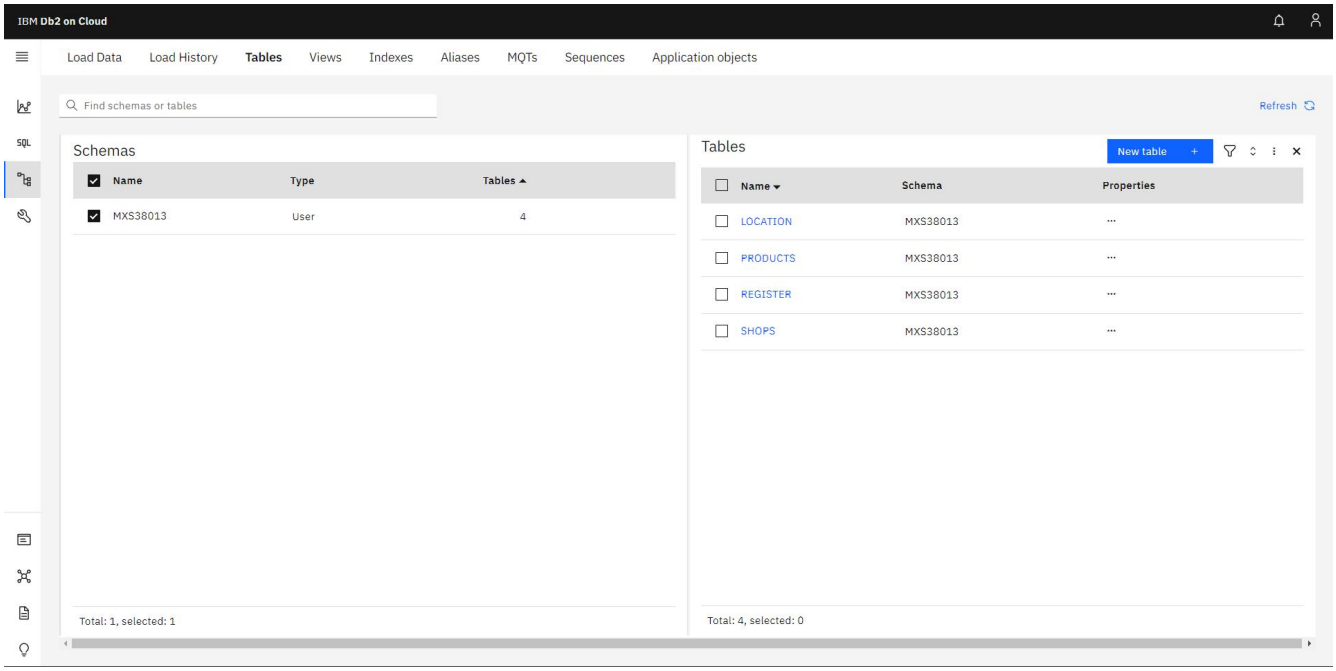
Linking our python flask application with IBM Db2:

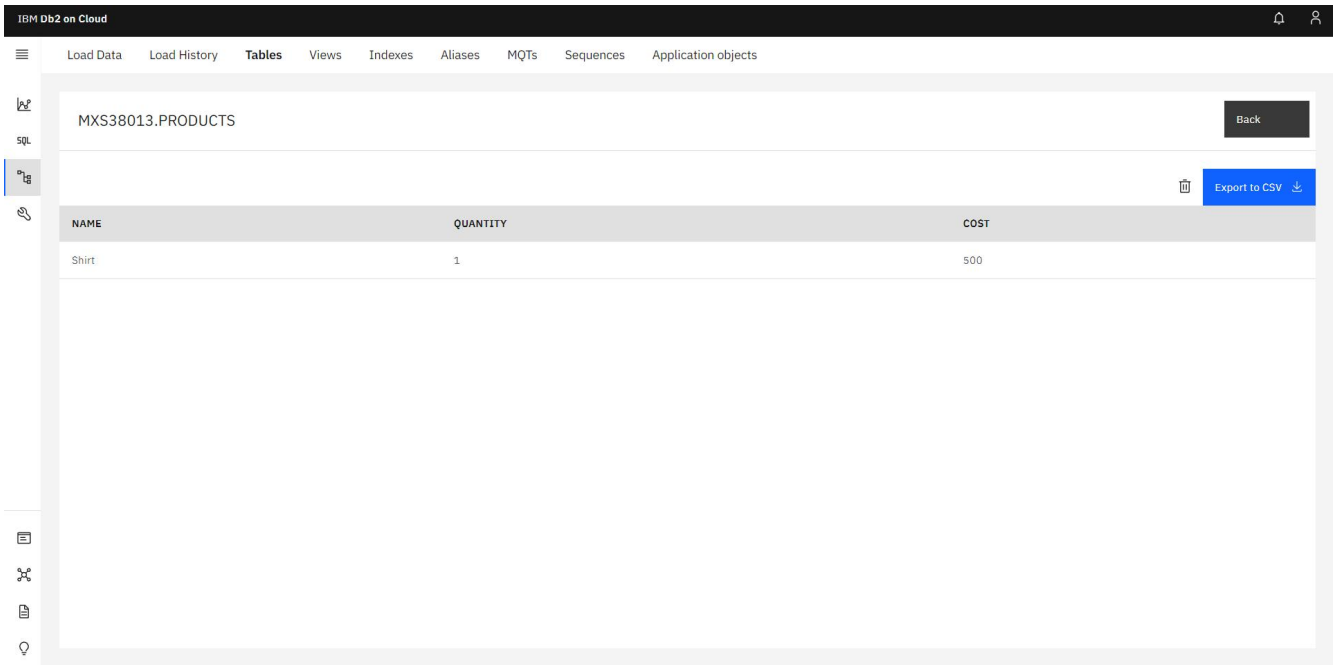


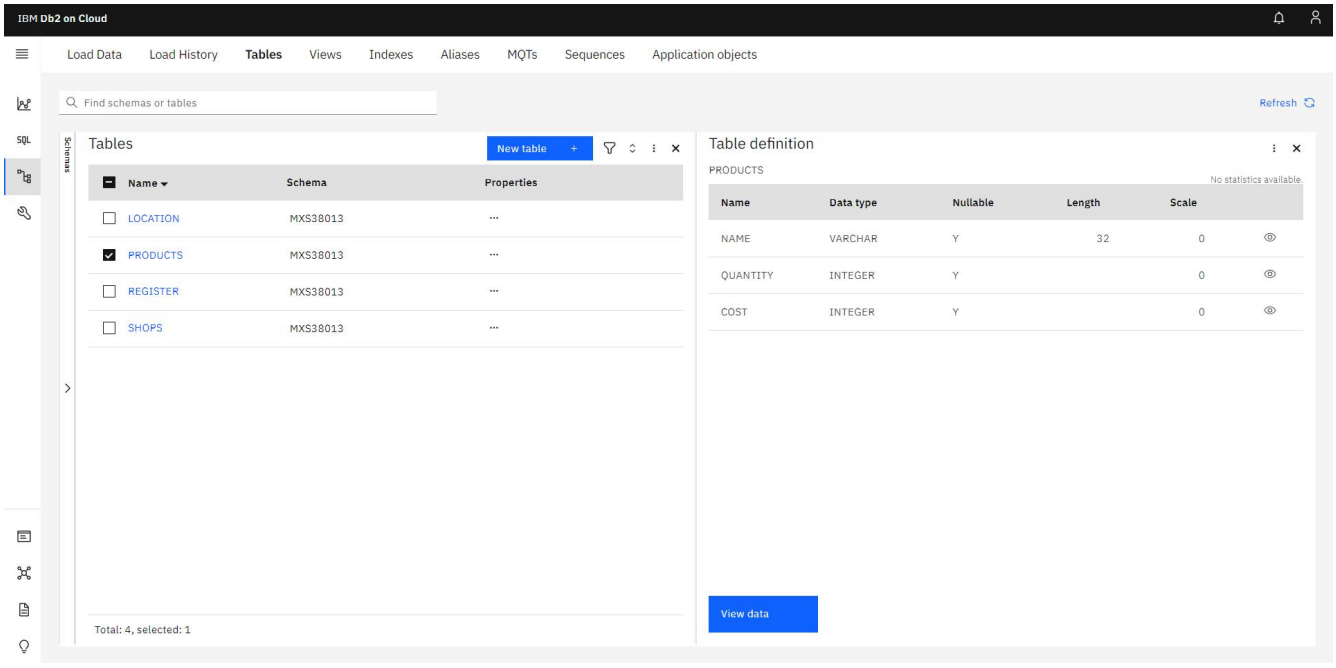
Going to IBM Db2 database UI:




IBM Db2 on Cloud
Load Data
Load History
Tables
Views
Indexes
Aliases
MQTs
Sequences
Application objects
Source
Target
Define
Finalize
You are loading the file
My Computer
A single delimited text file (CSV) without header row.
Amazon S3
Cloud Object Storage
File selection
Drag a file here or browse files
Next


IBM Db2 on Cloud
Load Data
Load History
Tables
Views
Indexes
Aliases
MQTs
Sequences
Application objects
Find schemas or tables
Refresh
Schemas
Name
Type
Tables
MXS38013
User
4
Total: 1, selected: 1
Tables
New table
Name
Schema
Properties
LOCATION
MXS38013
PRODUCTS
MXS38013
REGISTER
MXS38013
SHOPS
MXS38013
Total: 4, selected: 0


IBM Db2 on Cloud
Load Data
Load History
Tables
Views
Indexes
Aliases
MQTs
Sequences
Application objects
MXS38013.PRODUCTS
Back
Export to CSV
NAME
QUANTITY
COST
Shirt
1
500


IBM Db2 on Cloud
Load Data
Load History
Tables
Views
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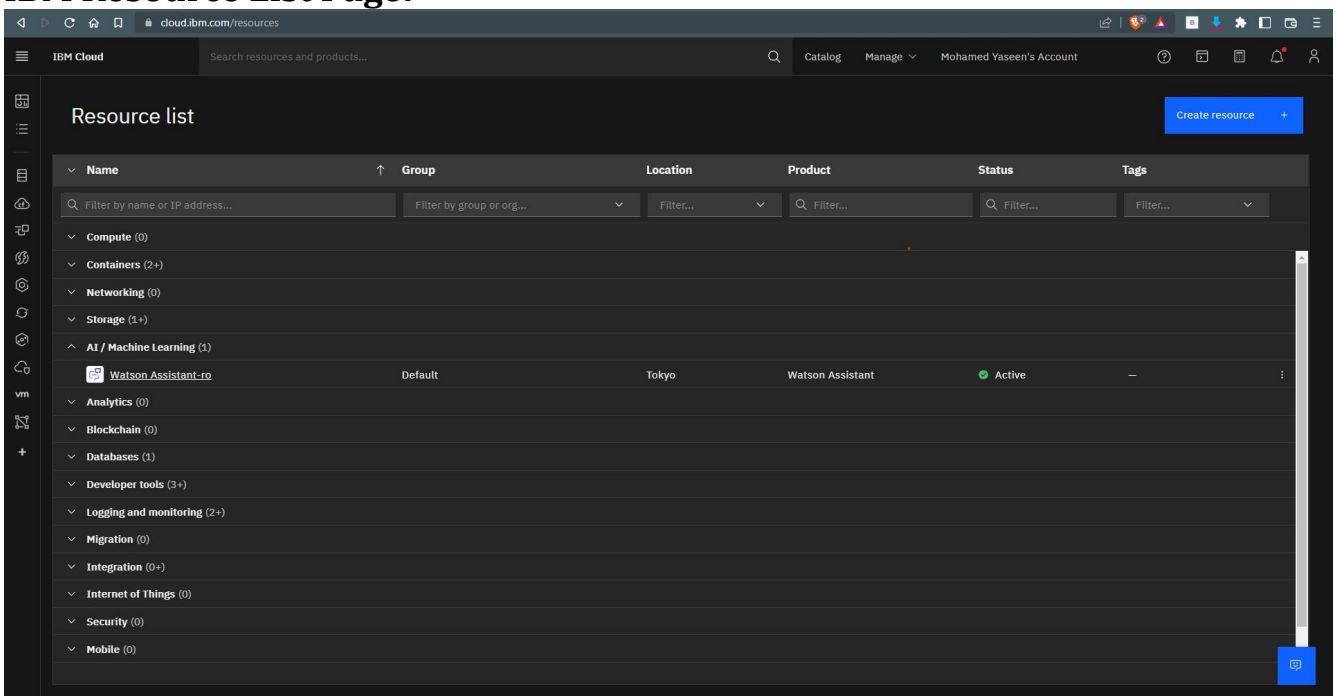
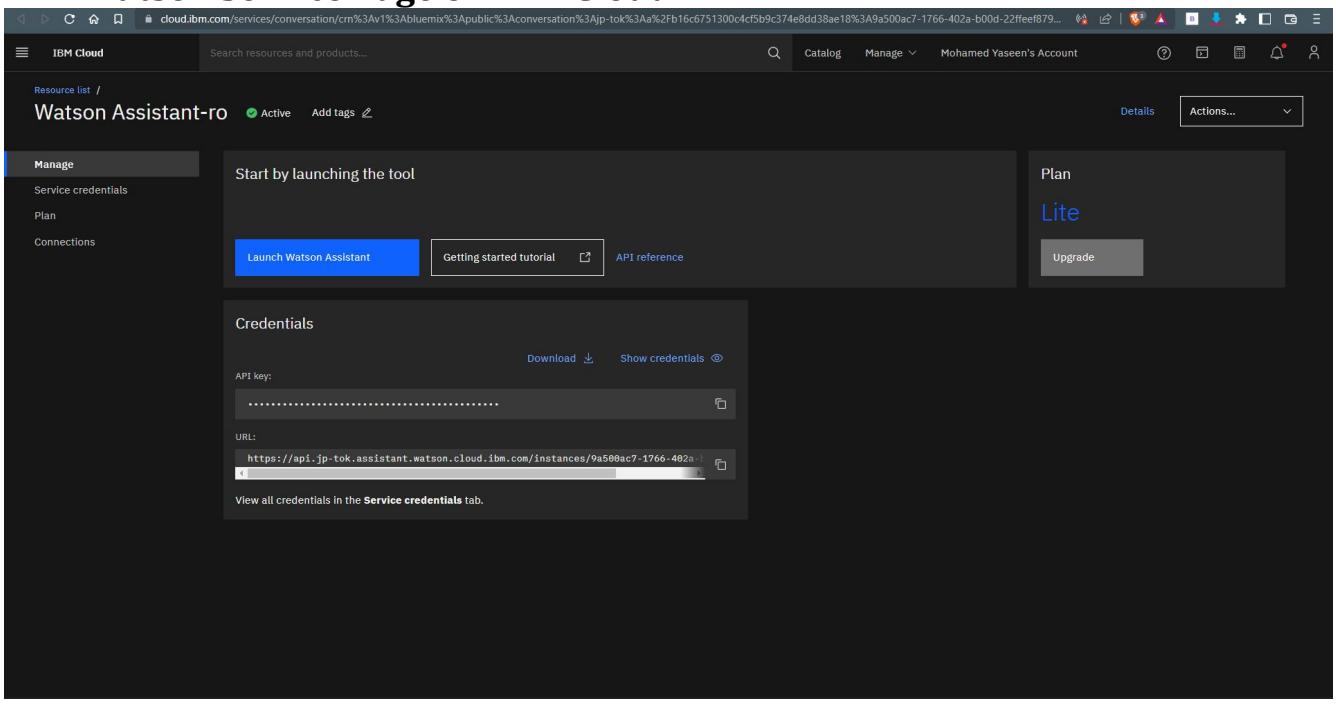
Aliases
MQTs
Sequences
Application objects
Find schemas or tables
Refresh
Schemas
Tables
New table
Name
Schema
Properties
LOCATION
MXS38013
PRODUCTS
MXS38013
REGISTER
MXS38013
SHOPS
MXS38013
Total: 4, selected: 1
Table definition
PRODUCTS
No statistics available.
Name
Data type
Nullable
Length
Scale
NAME
VARCHAR
Y
32
0
QUANTITY
INTEGER
Y
0
COST
INTEGER
Y
0
View data

Chat-Box Output:

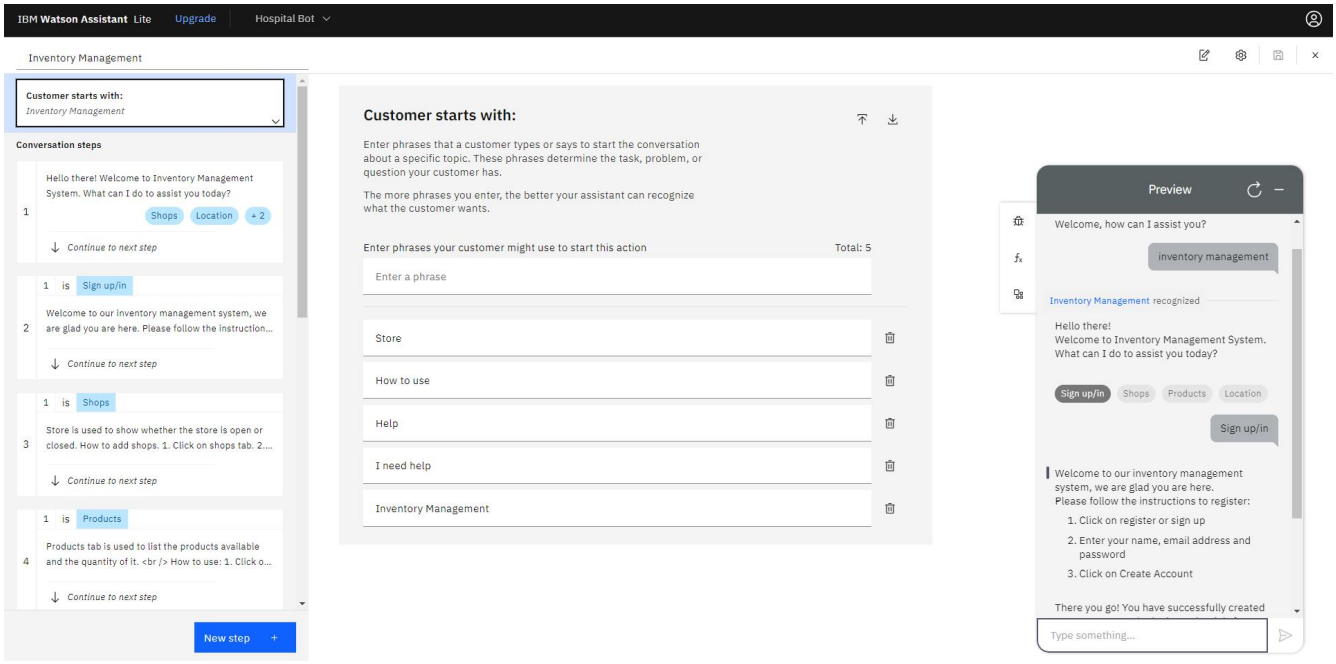
IBM Resource List Page:



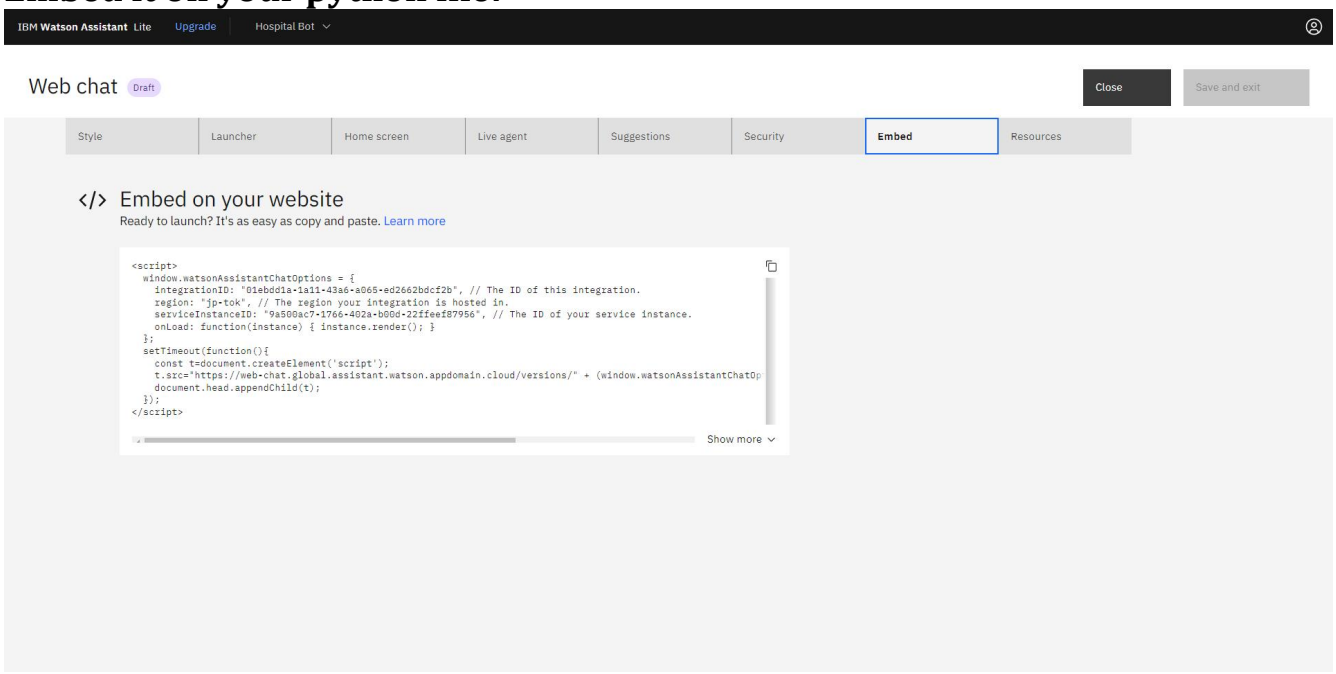
IBM Watson Service Page on IBM Cloud:

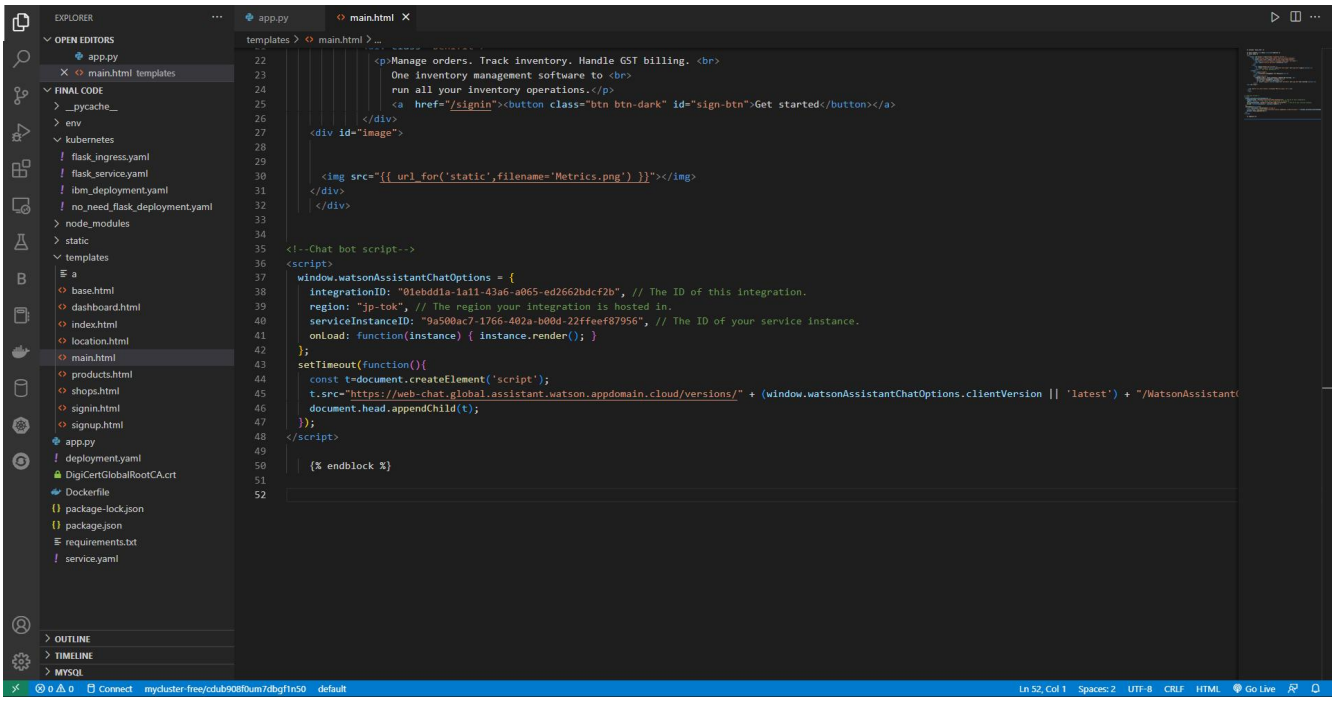


Launch Watson Assistant and create a virtual chat-box:



Embed it on your python file:





Verifying on our page: