PROJECT DEVELOPMENT PHASE

Delivery of Sprint - 1

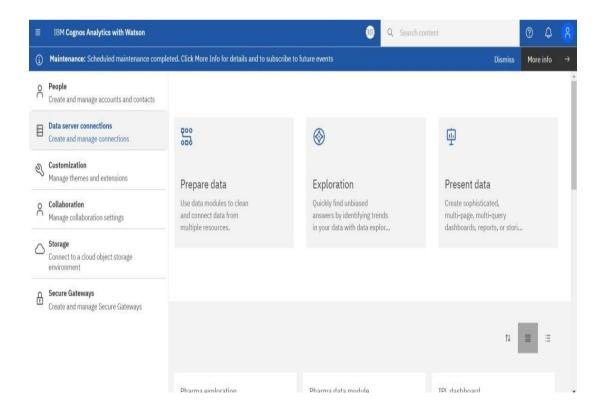
Team ID	PNT2022TMID45815
Project Name	VISUALIZING AND PREDICTING HEART DISEASEWITH
	AN INTERACTIVE DASH BOARD.

Fetch data from external API (Kaggle API)

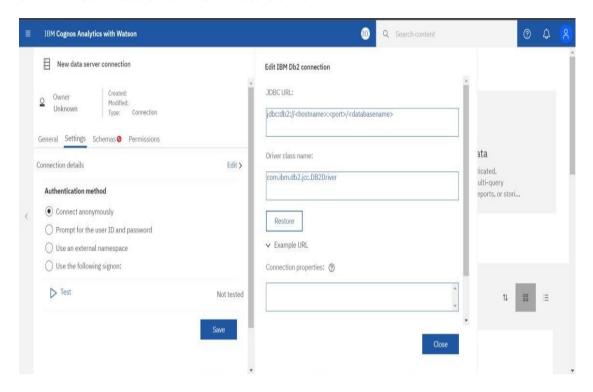


IBM DB2 service creation and DB2 connectivity with cognos:

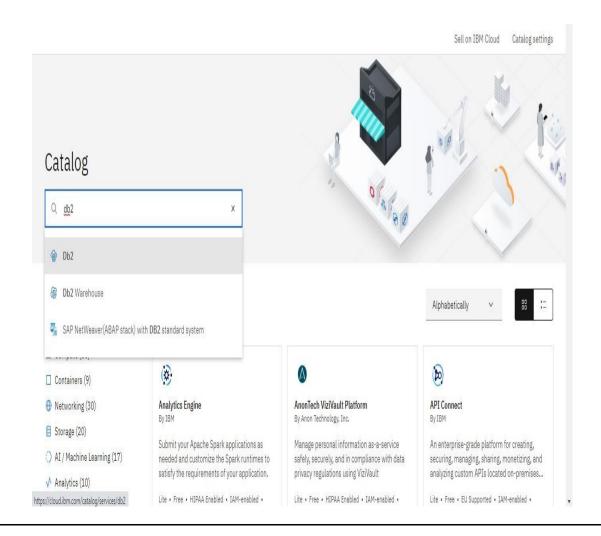
Step 1: In cognos we have to perform data server connections.



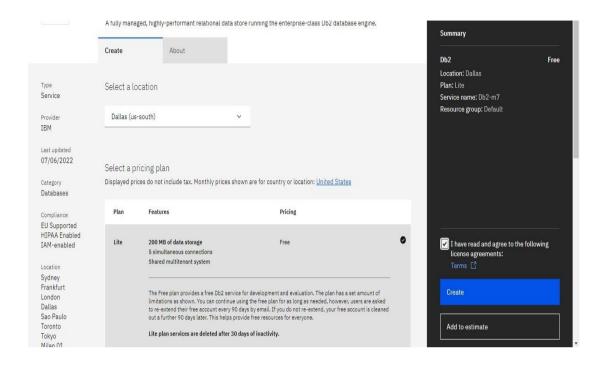
STEP 2: Connection of New Data Server



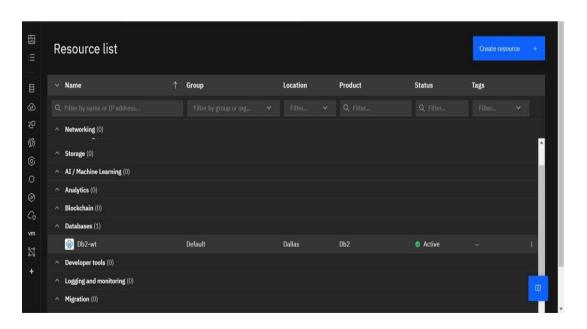
STEP 3: In IBM cloud go to catalog and search for db2.



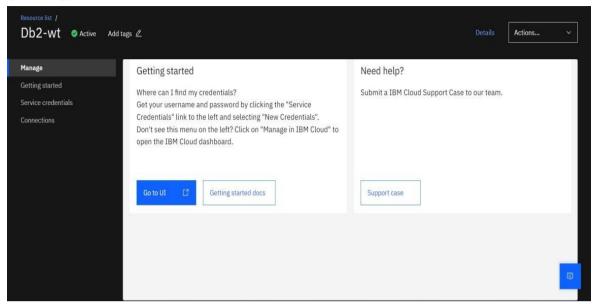
STEP 4: Create a new db2 connection.



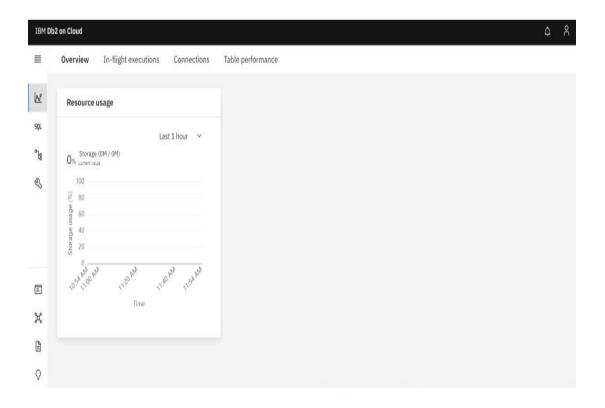
STEP 5: From the resource list select database as Db2.



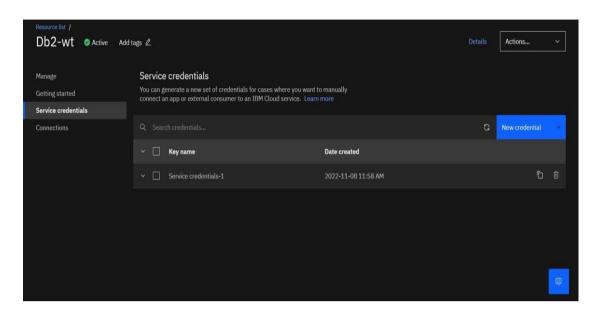
STEP 6: Click on Go to UI to know resource



STEP 7: Resource usage of IBM Db2 on cloud.



STEP 8: Creation of new Service Credential.



STEP 9: Copy the JDBC url from the created service credential in IBMCloud.

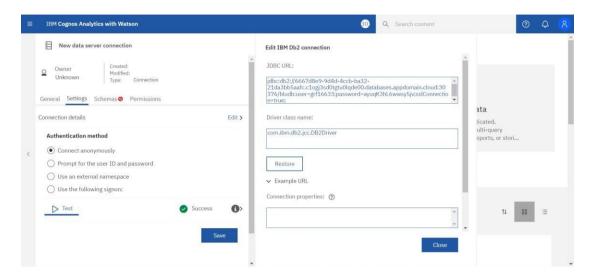
```
ZZE4xVkxuN3F3VG1TbD1TU05RPT0KLS0tLS1FTkQgQ0VSVE1GSUNBVEUtLS0tLQo=",
        "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
      },
"composed": [
        "db2://grf16633:ayuqK3hL6wwsy5jv@6667d8e9-9d4d-4ccb-ba32-21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databa
ses.appdomain.cloud:30376/bludb?authSource=admin&replicaSet=replset"
      ],
"database": "bludb",
        "6667d8e9-9d4d-4ccb-ba32-21da3bb5aafc.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:30302"
      ],
"hosts": [
          "hostname": "6667d8e9-9d4d-4ccb-ba32-21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.clou
          "port": 30376
      "jdbc_url": [
"jdbc_url": [
"jdbc:db2://6667d8e9-9d4d-4ccb-ba32-21da3bb5aafc.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:3
0376/bludb:user=<userid>;password=<your_password>;sslConnection=true;"
       "path": "/bludb",
       "query_options": {
        "authSource": "admin",
        "replicaSet": "replset"
      "replica_set": "replset",
      "scheme": "db2",
"type": "uri"
```

STEP 10: Copy the username and paste it in JDBC url in cognos for creating data server connection.

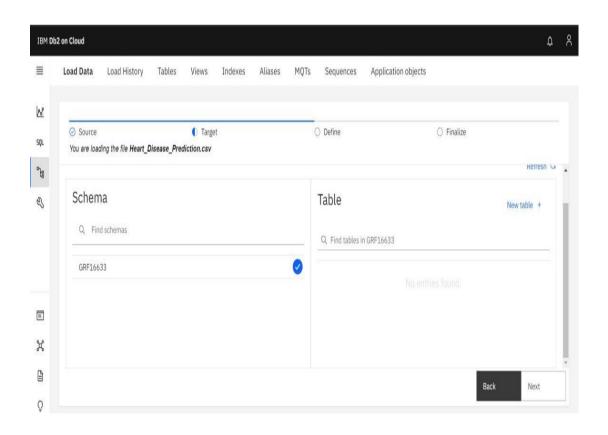
STEP 10: Copy the password and paste it in JDBC url in cognos.

```
FJMdjVHSW5BN1JySWNhKwozM0wxNnB4ZEttd1pLYTNWcnBnMXJ3QZKnY3d1YUNYMUNEWE4ZK0J1bzhvWG5YWkh6UGY1c1dY51BoaGdXZZ
J5CkNDcUdIK0NWNnQ1eFg3b05NS3VNSUNqRVZndnNLWnRqeTQ5VW5iNVZZbHQ0b1J3dTFlbGdzRDNjekltbjlLREQKNHB1REFvYTZyMkt
ZZE4xVkxuN3F3VG1Tb0lTU05RPT0KLS0tLS1FTkQgQ0VSVE1GSUNBVEUtLS0tLQo=",
                 "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
                 "db2 -u grf16633 -p ayuqK3hL6wwsy5jv --ssl --sslCAFile 1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8 --aut
henticationDatabase admin --host 6667d8e9-9d4d-4ccb-ba32-21da3bb5aafc.clogj3sd0tgtu0lqde00.databases.appd
omain.cloud:30376
                "password": "ayuqK3hL6wwsy5jv",
"username": "grf16633"
                 "certificate base64": "LSOtLS1CRUdJTiBDRVJUSUZJQOFURSOtLSOtCk1JSURFakNDQWZxZ0F3SUJBZ01KQVA1S0R3ZT
NCTkxiTuEwR0NTcudTSWIzRFFFQkN3VuFNQjR4SERBYUJnTlYKQkFNTUUwbENUU0JEYkc5MVpDQkVZWFJowW1GelpYTXdIaGN0TWpBd01
qSTVNRFF5TVRBeVdoY05NekF3TWpJMgpNRFF5TVRBeVdqQWVNUnd3R2dZRFZRUUREQk5KUWswZ1EyeHZkV1FnUkdGMF1XSmhjM1Z6TU1J
QklqQU5CZ2txCmhzaUc5dzBCQVFFRkFBT0NBUThBTUlJQkNnS9NBUUVBdXUvbitpWW9xdkdGNU8xSGpEalpsK25iYjE4UkR4ZGwKTzRUL
3FoUGMxMTREY1FUK0plRXdhdG13aGljTGxaQnF2QWFMb1hrbmhqSVF0MG01L0x5YzdBY291VXNmSGR0QwpDVGcrSUsxbjBrdDMrTHM3d1
d Takxq VE96N3M3M1ZUSU5yYmx3cnRIRU1vM1JWTkV6SkNHYW5LSXdZMwZVSUtrCldnM1R0SD15cnFsSGN0Z2pIU1FmRkVTRm1YaHJ10Dh
SQmd0amIva0xtVGpCaTFBeEVadWNobWZ2QVRmNENOY3EKY21QcHNqdDBPTnI0YnhJMVRyUWxEemNiN1hMSFBzWW91SUpzdnVzMUZvaTEy
SmRNM1MxK31abFZPMUZmZkU3bwpKMjhUdG3oZ3JG0GtIU\ThetaNMSkJvTTFSZ3FPZG90VmSQ0C9E0wZhamNNN01wd2V4a\theta1S0TNKR1FJREFRQ
UJvMU13c1VUQWRCZ05WSFE0RUZnUVV1Q3JZanFJQzc1VUpxVmZEMDh1ZWdqeDZiUmN3SHdZRFZSMGpCQmd3Rm9BVWVDc1kKanFJQzc1VU
2MXBqaHV4M01kWWV2SGFVSkRMb0tPd0hSRnFS0HgxZ2dRcGVEcFBnMk5SCkx3R08yek85SWZUMmhLaWd1d2orWnJ5SGxxcH1xQ0pL0HJE
\label{thm:continuous} U28xZUVPekIyMmE2S1YrQTVscEttMwdjV3VHYzMKK1UrVTFzTDdlujd3ZFFuVjU0TVU4aERvNi9sVHRMRVB2Mnc3V1NPS1FDK013ejgrTaller (Section 1988) and the section of the continuous co
```

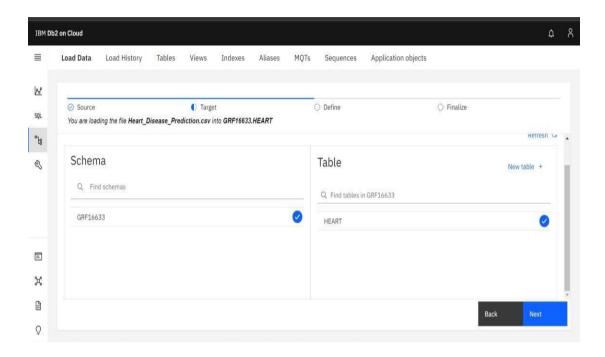
STEP 11: Data Server Connection is created



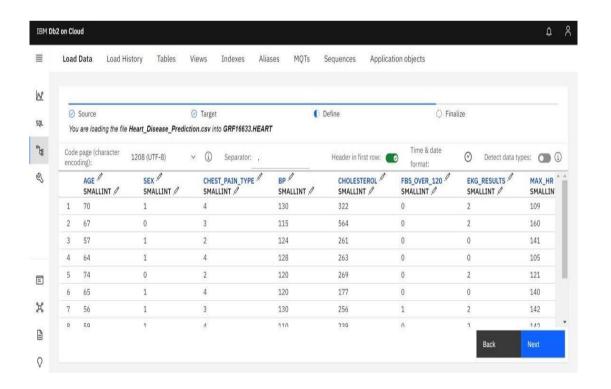
STEP 12: In IBM Db2 Select a schema and create a table.



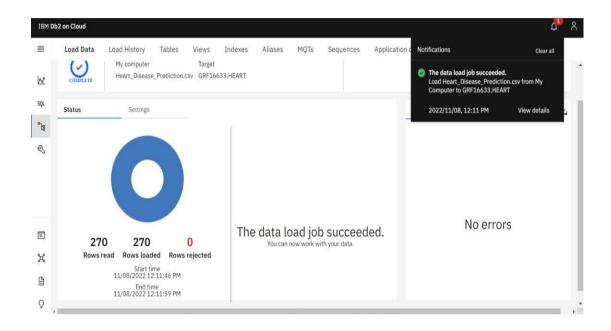
STEP 13: Schema and table has been created.



STEP 14: The creation of table is shown below:



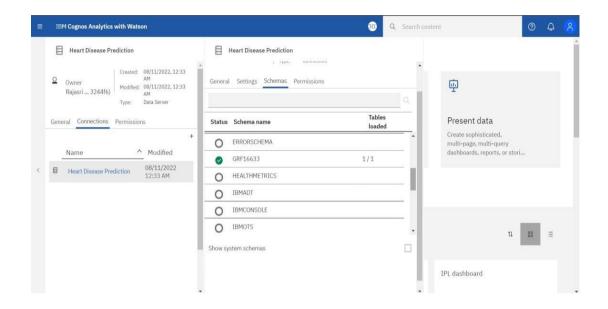
STEP 15: The data has been loaded successfully in



STEP 16: The below table represents the data present in our Dataset.

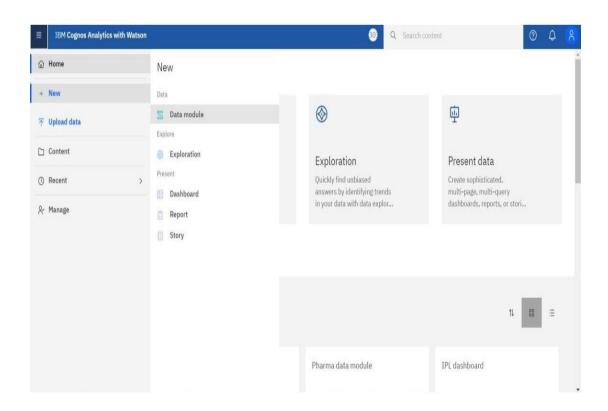
	Load	Data Load	History Tables	Views Indexe	s Aliases	MQTs Sequence	es Application	objects		
	GRE	F16633.HEA	RT							Back
									i E	xport to CSV 👱
)		AGE SMALLINT	SEX SMALLINT	CHEST_PAIN_T SMALLINT	BP SMALLINT	CHOLESTEROL SMALLINT	FBS_OVER_120 SMALLINT	EKG_RESULTS SMALLINT	MAX_HR SMALLINT	EXERCISE_AN. SMALLINT
	1	29	1	2	130	204	0	2	202	0
				2	118	210	0	0	192	0
	2	34	0							
	3	34 34	1	1	118	182	0	2	174	0
					118 120	182 198	0	0	174 130	0
	3	34	1	1						200
	3 4 5	34 35	1	1	120	198	0	0	130	1
	3 4 5	34 35 35	1 1 0	1 4 4	120 138	198 183	0	0	130 182	1

STEP 17: Loading of metadata and successfully loaded data in cognos by server connection.

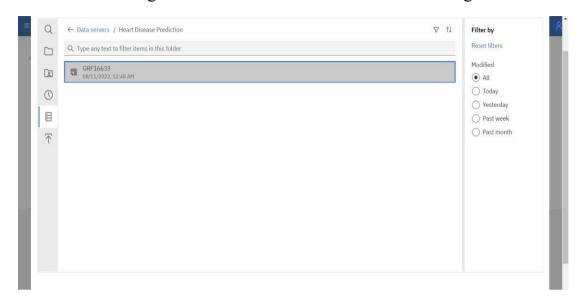


Creation of Data Module:

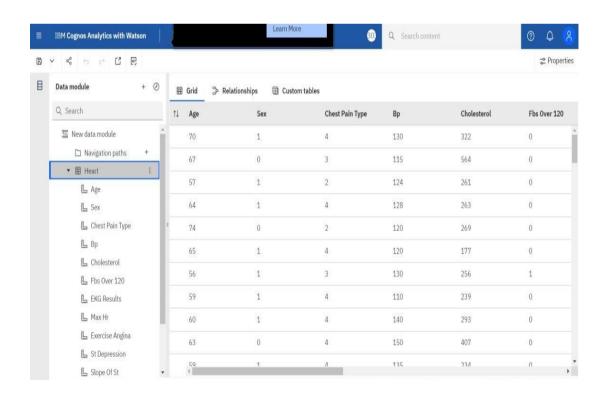
STEP 1: Creation of Data Module.



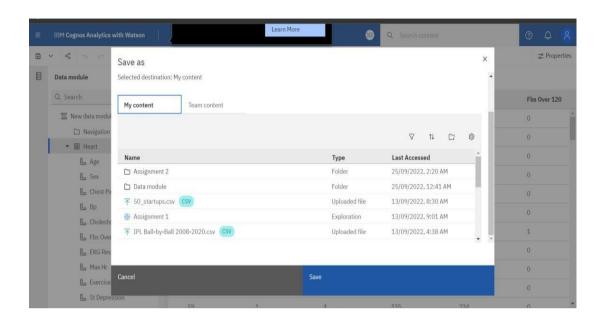
STEP 2: Choosing of dataset in data server connection in cognos.



STEP 3: Data Module is created successfully.



STEP 4: Save the Data Module in My



STEP 5: Representation of data module with the datum present in Heart Disease Prediction.

