

PROJECT DEVELOPMENT PHASE

SPRINT - 1

1. Downloading the dataset

The screenshot shows the Kaggle website interface. The browser's address bar displays the URL: <https://www.kaggle.com/datasets/rishidamarla/heart-disease-prediction?resource=download>. The page title is "Heart Disease Prediction" by Rishi Damarla, updated 2 years ago. The dataset description is "Predicting probability of heart disease in patients." The page includes a sidebar with navigation options like Home, Competitions, Datasets, Code, Discussions, Learn, and More. The main content area shows the dataset details, including a "Data" tab, a "Code (15)" tab, and a "Discussion (0)" tab. The "About Dataset" section provides context, content, and acknowledgement. The "Usability" score is 9.41, the license is CC0: Public Domain, and the expected update frequency is monthly. The bottom of the page shows a Windows taskbar with various application icons and system status indicators.

2. IBM Cloud

The screenshot shows the IBM Cloud dashboard. The browser's address bar displays the URL: cloud.ibm.com. The dashboard features a "For you" section with several tiles: "Build" (Explore IBM Cloud with this selection of easy starter tutorials and services), "Explore IBM Cloud Shell" (Try a command-driven approach for creating, developing, and deploying a web project), "Build a data lake" (Create a data lake using Object Storage and query it in its native format with SQL Query and Watson Studio), "Use Cloud Object Storage" (Store limitless unstructured data with Cloud Object Storage and access it via self serve portal or S3 API), "Set up your IBM Cloud account" (Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources), and "Unlock the entire catalog" (Upgrade your account to start using everything IBM Cloud has to offer). The dashboard also includes a "News" section with articles about IBM Storage's Price and Supply Guarantee, IBM Tech Now: November 7, 2022, and Unified Key Orchestrator Now Supports Easy Multicloud Key Management for Google KMS. The bottom of the page shows a Windows taskbar with various application icons and system status indicators.

3.DB2 Service

The screenshot shows the IBM Cloud catalog page for the Db2 service. The browser address bar displays `cloud.ibm.com/catalog/services/db2`. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user's account (Swetha B's Account). The main content area is titled "Db2" and describes it as a fully managed, highly-performant relational data store. It features two tabs: "Create" (selected) and "About". On the left, a sidebar lists service details: Type (Service), Provider (IBM), Last updated (11/09/2022), Category (Databases), Compliance (EU Supported, HIPAA Enabled, IAM-enabled), and Location (Sydney, Frankfurt, London, Dallas, Sao Paulo, Toronto). The "Create" tab is divided into "Select a location" (showing "London (eu-gb)") and "Select a pricing plan". The pricing plan section displays a table with the "Lite" plan selected, which includes 200 MB of data storage, 5 simultaneous connections, and a shared multitenant system. A detailed description of the free plan is provided below the table. On the right, a "Summary" panel shows the plan name (Db2), location (London), plan type (Free), service name (Db2-ac), and resource group (Default). At the bottom of this panel, there is a checkbox for "I have read and agree to the following license agreements:" and a "Create" button. A "Add to estimate" button is also present.

IBM Cloud

Search resources and products...

Catalog / Manage Swetha B's Account

Db2

A fully managed, highly-performant relational data store running the enterprise-class Db2 database engine.

Create About

Type Service

Provider IBM

Last updated 11/09/2022

Category Databases

Compliance EU Supported HIPAA Enabled IAM-enabled

Location Sydney Frankfurt London Dallas Sao Paulo Toronto

Select a location

London (eu-gb)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Lite	200 MB of data storage 5 simultaneous connections Shared multitenant system	Free

The Free plan provides a free Db2 service for development and evaluation. The plan has a set amount of limitations as shown. You can continue using the free plan for as long as needed, however, users are asked to re-extend their free account every 90 days by email. If you do not re-extend, your free account is cleaned out a further 90 days later. This helps provide free resources for everyone.

Summary

Db2 Free

Location: London

Plan: Lite

Service name: Db2-ac

Resource group: Default

☒ I have read and agree to the following license agreements:
[Terms](#)

Create

Add to estimate

The screenshot shows the IBM Cloud resource page for a specific Db2 instance named "Db2-c0". The browser address bar displays a long URL: `cloud.ibm.com/services/dashdb-for-transactions/cm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2F4d72f59aca824f2d8efcfb809a9b1fd4%3A68e4e6d-f193-4f...`. The page header is consistent with the previous screenshot. The main content area is titled "Resource list / Db2-c0" and indicates the resource is "Active". It features a "Details" link and an "Actions..." dropdown menu. On the left, a sidebar lists management options: "Manage" (selected), "Getting started", "Service credentials", and "Connections". The "Getting started" section provides instructions on how to find credentials and includes a "Go to UI" button. The "Need help?" section offers a link to submit a support case. The "Service credentials" section is also visible, showing a "Getting started docs" button.

IBM Cloud

Search resources and products...

Catalog / Manage Swetha B's Account

Resource list / Db2-c0 Active Add tags

Details Actions...

Manage

Getting started

Service credentials

Connections

Getting started

Where can I find my credentials?

Get your username and password by clicking the "Service Credentials" link to the left and selecting "New Credentials".

Don't see this menu on the left? Click on "Manage in IBM Cloud" to open the IBM Cloud dashboard.

Go to UI

Getting started docs

Need help?

Submit a IBM Cloud Support Case to our team.

Support case

Meet - x | Heart Dise... x | Untitled do... x | Service Del... x | IBM Db2 cl... x | Service Del... x | IBM Db2 cl... x | My IBM x | Home x | Home x | +

bs2ipcul0apon0jufi80lite.db2.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2F4d72f59aca824f2d8efcb809a9b1fd4%3A68ef4e6d-f193-4ffd-b...

Gmail YouTube Maps GDB online Debug... IBM Untitled0.jpynb - C... * New exploration

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 **Heart_Disease_Prediction.csv**

My Computer
A single delimited text file (CSV) without header row.

S3 Amazon S3
Cloud Object Storage

File selection

Drag a file here or browse files

Selected file

Heart_Disease_Prediction.csv

Next

25°C Cloudy Search 23:57 10-11-2022

Meet - x | Heart Dise... x | Untitled do... x | Service Del... x | IBM Db2 cl... x | Service Del... x | IBM Db2 cl... x | My IBM x | Home x | Home x | +

bs2ipcul0apon0jufi80lite.db2.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2F4d72f59aca824f2d8efcb809a9b1fd4%3A68ef4e6d-f193-4ffd-b...

Gmail YouTube Maps GDB online Debug... IBM Untitled0.jpynb - C... * New exploration

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 **Heart_Disease_Prediction.csv** into **XMN03601.HEART DISEASE PREDICTION**

Select a load target

Refresh

Schema

Find schemas

XMN03601

Table

New table +

Find tables in XMN03601

HEART DISEASE PREDICTION

Table definition

HEART DISEASE PREDICTION
Approximate 270.0 rows (32.0 KB)
Updated on 11/10/2022 at 7:43:47 PM

overwrite_option

☒ Append new data
☐ Overwrite table with new data

COLUMN NAME	DATA TYPE	NULLABLE
AGE	SMALLINT	Y
SEX	SMALLINT	Y

Back Next

25°C Cloudy Search 00:00 11-11-2022

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 **Heart_Disease_Prediction.csv** into **XMN03601.HEART DISEASE PREDICTION**

Code page (character encoding): 1208 (UTF-8) Separator: . Header in first row: Time & date format:

	AGE SMALLINT	SEX SMALLINT	CHEST_PAIN_TYPE SMALLINT	BP SMALLINT	CHOLESTEROL SMALLINT	FBS_OVER_120 SMALLINT	EKG_RESULTS SMALLINT	MAX_HR SMALLINT	EXERCISE SMALLINT
1	70	1	4	130	322	0	2	109	0
2	67	0	3	115	564	0	2	160	0
3	57	1	2	124	261	0	0	141	0
4	64	1	4	128	263	0	0	105	1
5	74	0	2	120	269	0	2	121	1
6	65	1	4	120	177	0	0	140	0
7	56	1	3	130	256	1	2	142	1
8	59	1	4	110	239	0	2	142	1
9	60	1	4	140	293	0	2	170	0
10	63	0	4	150	407	0	2	154	0

Back Next

25°C Cloudy 00:00 11-11-2022

IBM Db2 on Cloud

Load Data Load History Tables Views Indexes Aliases MQTs Sequences Application objects

Load details

My computer Target

Heart_Disease_Prediction.csv XMN03601.HEART DISEASE PREDICTION

View Table Load More Data

Status Settings Errors Warnings

270 Rows read 270 Rows loaded 0 Rows rejected

Start time 11/11/2022 12:01:13 AM

End time 11/11/2022 12:01:26 AM

The data load job succeeded.
You can now work with your data.

No errors

25°C Cloudy 00:02 11-11-2022

4.IBM Cognos

The screenshot shows the IBM My IBM dashboard. The browser address bar displays `myibm.ibm.com/dashboard/`. The page header includes the IBM logo, navigation links for "My IBM", "Profile", and "Billing", and the user email "IBMid: swethabakthar@gmail.com". The main section is titled "Products" and features a "Trials" subsection with "1 Offering". The trial is for "Cognos Analytics on Cloud" and is "Active", expiring on Sep 16, 2023. It includes "Launch" and "Manage" buttons. A large central banner reads "Let IBM provide you technology and business solutions to fit your needs" and "IBM's extensive list of offerings helps you find products that fit your technology and business needs. Get started with a free trial today!". A "View catalog" button is also present. The bottom of the screen shows a Windows taskbar with a search bar and various application icons.

The screenshot shows the IBM Cognos Analytics with Watson interface. The browser address bar displays `us3.ca.analytics.ibm.com/bi/?perspective=home`. The page header includes the IBM logo, a search bar, and user profile icons. A maintenance notification states "Maintenance: Scheduled maintenance completed. Click More Info for details and to subscribe to future events". The left sidebar contains navigation links: "People" (Create and manage accounts and contacts), "Data server connections" (Create and manage connections), "Customization" (Manage themes and extensions), "Collaboration" (Manage collaboration settings), "Storage" (Connect to a cloud object storage environment), and "Secure Gateways" (Create and manage Secure Gateways). The main content area features a large banner for "Cognos Analytics with Watson" with a "Product tour" button. Below the banner are three sections: "Prepare data" (Use data modules to clean and connect data from multiple), "Exploration" (Quickly find unbiased answers by identifying trends in your data with), and "Present data" (Create sophisticated, multi-page, multi-query dashboards, reports, and more).

IBM Cognos Analytics with Watson

Select a type

- Amazon Athena
- Amazon Redshift
- Cloudera Impala
- Denodo
- Dremio
- Exasol EXASolution
- Hive
- IBM Big SQL
- IBM Cloud Data Engine
- IBM Db2
- IBM Db2 for i
- IBM Db2 Warehouse
- IBM Informix Dynamic Se...
- IBM Netezza
- IBM Planning Analytics

Heart Disease Prediction

Owner: Unknown
Created: Modified:
Type: Connection

General Settings Schemas Permissions

Connection details

Authentication method

☒ Connect anonymously
☐ Prompt for the user ID and password
☐ Use an external namespace
☐ Use the following signon:

Test Not tested

Save

Edit IBM Db2 connection

JDBC URL:

Driver class name:

com.ibm.db2.jcc.DB2Driver

Restore

Example URL

Connection properties:

Cloud certificate details

Secure Gateway destination

Close

IBM Cognos Analytics with Watson

Data server connections

Name	Modified
Heart disease prediction	11/10/2022 8:25 AM
Weather Company	3/31/2022 10:38 PM

Select a type

- Amazon Athena
- Amazon Redshift
- Cloudera Impala
- Denodo
- Dremio
- Exasol EXASolution
- Hive
- IBM Big SQL
- IBM Cloud Data Engine
- IBM Db2
- IBM Db2 for i
- IBM Db2 Warehouse
- IBM Informix Dynamic Se...
- IBM Netezza
- IBM Planning Analytics

Heart disease prediction

Owner: Sweth ... 7cftb75
Created: 11/10/2022, 8:25 AM
Modified: 11/10/2022, 8:25 AM
Type: Connection

General Settings Schemas Permissions

XMN03601

Status	Schema name	Tables loaded
✓	XMN03601	1 / 1

Show system schemas

