DATABASE TO STORE PRODUCT INFORMATION

from flask import Flask, jsonify

import ibm\_db

from flask import Flask, render\_template

app = Flask(\_\_name\_\_)

@app.route('/')

def index():

return render\_template('index.html')

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

app = Flask(\_\_name)

# Define your database connection parameters

db\_credentials = {

'db2\_driver': '{IBM DB2 ODBC DRIVER}',

'db2\_database': 'YOUR\_DB\_NAME',

'db2\_hostname': 'YOUR\_DB\_HOST',

'db2\_port': '50000',

'db2\_protocol': 'TCPIP',

'db2\_uid': 'YOUR\_DB\_USERNAME',

'db2\_pwd': 'YOUR\_DB\_PASSWORD'

}

# Create a connection string

conn\_str = (

"DRIVER={};"

"DATABASE={};"

"HOSTNAME={};"

"PORT={};"

"PROTOCOL={};"

"UID={};"

"PWD={};"

).format(

db\_credentials['db2\_driver'],

db\_credentials['db2\_database'],

db\_credentials['db2\_hostname'],

db\_credentials['db2\_port'],

db\_credentials['db2\_protocol'],

db\_credentials['db2\_uid'],

db\_credentials['db2\_pwd']

)

# Route to retrieve data from the database

@app.route('/get\_data')

def get\_data():

conn = ibm\_db.connect(conn\_str, '', '')

stmt = ibm\_db.exec\_immediate(conn, "SELECT \* FROM your\_table\_name")

data = ibm\_db.fetch\_both(stmt)

result = []

while data:

result.append(data)

data = ibm\_db.fetch\_both(stmt)

ibm\_db.close(conn)

return jsonify(result)

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

CODE EXPLANATION :

This code is a Python script that uses the Flask web framework to create a web application with two routes:

The main route '/' renders an HTML template called 'index.html'.

Another route '/get\_data' retrieves data from an IBM Db2 database and returns it as JSON.

**HTML CODE:**

</html><!DOCTYPE html>

<html>

<head> <title>Ancro Chocolate</title>

<meta charset="utf-8"></head>

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<body><div></br><div>

<link rel="stylesheet" href="Styles.css">

<nav>

<label class="dot">Ancro Chocolat</label>

<ul><li><a href="#Home" window="new">Home</a></li>

<li><a href="#Contact">Contact </a></li>

<li><a href="#Cart">Cart</a></li>

<li><a href="#Payment">Payment</a></li>

</ul>

</nav>

<a class="vet" href="default.asp">

<img src="chocs11.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Chocolate Candy Bar Mockup<br>Chocolate Box<br>499.Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs12.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Stacy Chocolate Box<br>150.RS</p></a>

<a class="vet" href="default.asp">

<img src="chocs13.jpg"alt="HTML tutorial" style="width:175px;height:150px;">

<p>Assorrted Chocolates<br>50.Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs14.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p> Chocoloony Milk Chocolate Basket<br>500.Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs15.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Brookside Dark Chocolate<br>200.Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs16.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>kitkat Milk & Dark<br>50.Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs17.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Hersheys Plant Based<br>100.Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs18.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Love Milk Chocolate Box<br>150.Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs19.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Dairy Milk Bookay<br>780.Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs10.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>chocolate Box<br>499Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs1.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p> Mahalacto<br>chocolate Box<br>499Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs2.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Choki Choki<br>chocolate Box<br>499Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs3.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Delight assorted<br>chocolate Box<br>499Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs4.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Delight assorted<br>chocolate Box<br>499Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs5.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Delight assorted<br>chocolate Box<br>499Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs6.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Delight assorted<br>chocolate Box<br>499Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs7.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Delight assorted<br>chocolate Box<br>499Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs10.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Delight assorted<br>chocolate Box<br>499Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs9.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Delight assorted<br>chocolate Box<br>499Rs</p></a>

<a class="vet" href="default.asp">

<img src="chocs20.jpg" alt="HTML tutorial" style="width:175px;height:150px;">

<p>Delight assorted<br>chocolate Box<br>499Rs</p></a>

</body>

</html>

**CSS CODE:**

\*{

margin: 0px;

padding:0px;

text-decoration: none;

list-style: none;

box-sizing: border-box;

}

body{

font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;

}

nav{

background: #0082e6;

height: 80px;

width: auto;

}

label.dot{

color: white;

font-size: 25px;

line-height: 80px;

padding: 0 100px;

font-weight: bold;

}

nav ul{

float:right;

margin-right: 20px;

}

nav ul li{

display: inline-block;

line-height: 80px;

margin:0 5px;

}

nav ul li a{

color:white;

font-size: 17px;

padding: 8px 18px ;

text-transform: uppercase;

border-radius: 4px;

}

.vet{

margin-left:48px;

display:flex;

flex-wrap:wrap;

float:left;

width:200px;

height:280px;

text-decoration:none;

text-align:left;

color:black;

padding-top: 50px;

}

p{

border: 1px ;

box-sizing: border-box;

width:350px;

padding-inline:25px;

text-indent:5px;

}

img{

background-color:blue;

border-radius:10px;

}

\*{

margin: 0px;

padding:0px;

text-decoration: none;

list-style: none;

box-sizing: border-box;

}

body{

font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;

}

nav{

background: #0082e6;

height: 80px;

width: auto;

}

label.dot{

color: white;

font-size: 25px;

line-height: 80px;

padding: 0 100px;

font-weight: bold;

}

nav ul{

float:right;

margin-right: 20px;

}

nav ul li{

display: inline-block;

line-height: 80px;

margin:0 5px;

}

nav ul li a{

color:white;

font-size: 17px;

padding: 8px 18px ;

text-transform: uppercase;

border-radius: 4px;

}

.vet{

margin-left:48px;

display:flex;

flex-wrap:wrap;

float:left;

width:200px;

height:280px;

text-decoration:none;

text-align:left;

color:black;

padding-top: 50px;

}

p{

border: 1px ;

box-sizing: border-box;

width:350px;

padding-inline:25px;

text-indent:5px;

}

img{

background-color:blue;

border-radius:10px;

}

**E-COMMERCE APP OUTLOOK:**

