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#importing modules
import pyodbc
import pandas as pd
import matplotlib.pyplot as plt
from datetime import date

# Connection establish
class SqlConnection:
    def __init__(self):
        self.conn = pyodbc.connect(
            'Driver={SQL Server};'
            'Server=DESKTOP-I1AG3MV\SQLEXPRESS;'
            'Database=Dmart;'
            'Trusted_Connection=yes;')
# making function of add,retrieve,Plot
class Add(SqlConnection):
    def add_expenses(self, i, c, a, d):
        cursor = self.conn.cursor()
        query = cursor.execute("INSERT INTO dbo.Store_expences (id, category,
amount, date) VALUES (?, ?, ?, ?);", i, c, a, d)
        self.conn.commit()
        return (query)

class Retrieve(SqlConnection):
    def retrieve_expenses(self):
        cursor = self.conn.cursor()
        select = 'SELECT * FROM dbo.Store_expences'
        cursor.execute(select)
        rows = cursor.fetchall()
        return (rows)

class Plot(SqlConnection):
    def plot_expenses(self):
        cursor = self.conn.cursor()
        select = 'SELECT * FROM dbo.Store_expences'
        df = pd.read_sql(select, self.conn)
        x = df['category']
        y = df['amount']
        plt.bar(x, y)
        plt.xlabel('category')
        plt.ylabel('amount')
        plt.show()
        return (df)

# calling the function
Sql = SqlConnection()
Add = Add()
Retrieve = Retrieve()
Plot = Plot()
```

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# asking for user input
p = input('Enter Department Name (DMART): ')
if p == 'DMART':
    S = input('Enter Store name (store_expences): ')
    if S == 'store':
        A = input('Do you want to Add Data to Database or Retrieve Data (a/r): ')
        if A == 'Add':
            i = int(input('Insert Id: '))
            c = input('Insert Category: ')
            a = int(input('Enter Amount: '))
            d = input('Enter date as dd-mm-yyyy: ')
            print(i, c, a, d)
            print(Add.add_expenses(i, c, a, d))
            b = input('Want to show bar graph (Yes/No): ')
            if b == 'Yes':
                print(Plot.plot_expenses())
                print('No further Process')
            elif b == 'No':
                print(Retrieve.retrieve_expenses())
                print('Task Completed,No further Process Req')
            else:
                print('Invalid input, try again')
        elif A == 'Retrieve':
            print(Retrieve.retrieve_expenses())
            print('Retrieve data successfully')
        else:
            print('Invalid input, try again')
```