# TASK-01

# TO-DO LIST APPLICATION

**PROGRAM:-**

import sqlite3

import datetime

# Function to create the database

def create\_database():

conn = sqlite3.connect('todo\_list.db')

c = conn.cursor()

c.execute('''CREATE TABLE IF NOT EXISTS tasks (

id INTEGER PRIMARY KEY,

task TEXT NOT NULL,

priority INTEGER,

due\_date DATE

)''')

conn.commit()

conn.close()

# Function to add a task

def add\_task(task, priority, due\_date):

conn = sqlite3.connect('todo\_list.db')

c = conn.cursor()

c.execute("INSERT INTO tasks (task, priority, due\_date) VALUES (?, ?, ?)",

(task, priority, due\_date))

conn.commit()

conn.close()

# Function to view all tasks

def view\_tasks():

conn = sqlite3.connect('todo\_list.db')

c = conn.cursor()

c.execute("SELECT \* FROM tasks ORDER BY priority DESC, due\_date")

tasks = c.fetchall()

conn.close()

return tasks

# Main function

def main():

create\_database()

while True:

print("\n1. Add Task")

print("2. View Tasks")

print("3. Exit")

choice = input("Enter your choice: ")

if choice == '1':

task = input("Enter task: ")

priority = int(input("Enter priority (1 - low, 2 - medium, 3 - high): "))

due\_date = input("Enter due date (YYYY-MM-DD): ")

add\_task(task, priority, due\_date)

print("Task added successfully!")

elif choice == '2':

tasks = view\_tasks()

if tasks:

print("\n--- Tasks ---")

for task in tasks:

print(f"Task: {task[1]} | Priority: {task[2]} | Due Date: {task[3]}")

else:

print("No tasks found!")

elif choice == '3':

print("Exiting program...")

break

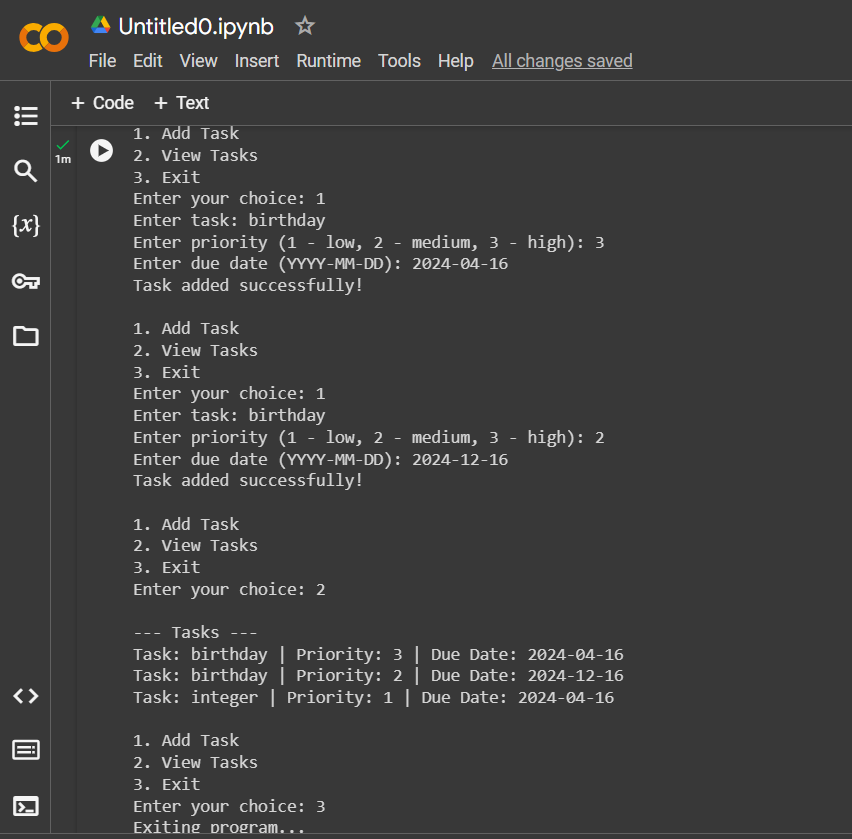
else:

print("Invalid choice!")

if \_\_name\_\_ == "\_\_main\_\_":

main()

**OUTPUT:-**

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