**Activity 6**

**Write a program to create a list of student’s records and search a student record using a dictionary**

# Create a list to store student records

student\_records = []

# Function to add a student record to the list

def add\_student\_record():

    name = input("Enter student's name: ")

    roll\_number = input("Enter roll number: ")

    marks = input("Enter marks: ")

    student\_record = {'Name': name, 'Roll Number': roll\_number, 'Marks': marks}

    student\_records.append(student\_record)

    print(f"Student record for {name} has been added.")

# Function to search for a student record by name

def search\_student\_record():

    search\_name = input("Enter the name of the student you want to search for: ")

    found = False

    for record in student\_records:

        if record['Name'] == search\_name:

            print("Student Record Found:")

            print("Name:", record['Name'])

            print("Roll Number:", record['Roll Number'])

            print("Marks:", record['Marks'])

            found = True

            break

    if not found:

        print(f"No record found for {search\_name}.")

# Main program loop

while True:

    print("\nOptions:")

    print("1. Add Student Record")

    print("2. Search Student Record")

    print("3. Exit")

    choice = input("Enter your choice: ")

    if choice == '1':

        add\_student\_record()

    elif choice == '2':

        search\_student\_record()

    elif choice == '3':

        print("Exiting the program.")

        break

    else:

        print("Invalid choice. Please enter 1, 2, or 3.")