9.DAY FROM DATE

from datetime import datetime:

def get\_day\_from\_date(date\_str):

date\_obj = datetime.strptime(date\_str, '%Y-%m-%d')

day\_of\_week = date obj.strftime('%A')

return day\_of\_week

date\_input = input("Enter a date (YYYY-MM-DD): ")

printf(f"The day of the week is: {get\_day\_from\_date(date\_input)}"

10. PYTHON PROGRAM USING TUPLE

Book info = ("The Great Gatsby", "F. Scott Fitzgerald", 1925, "Novel")

def display\_book\_info(book):

title, author, year, genre = book

print(f"Title: {title}");

print(f"Author: {author}");

print(f"Year: {year}");

print(f"Genre: {genre}");

display\_book\_info(book\_info)

11.PYTHON PROGRAM USING ARRAY

numbers = []

for I in range(5):

num = int(input(f"Enter number {i+1}: "))

numbers.append(num)

print("\nThe array is:", numbers)

sum\_numbers = sum(number)

print("The sum of the numbers is:", sum\_numbers)

max\_number = max(numbers)

print("The largest number is:", max\_number)

min\_number = miin(numbers)

print("The smallest number is:", min\_number)

12.PYTHON PROGRAM USING DICTIONARY

Fruit prices = {

'apple': 3.5,

'banana': 1.2,

'orange': 2.0,

'mango': 4.0,

'grape': 2.5

}

def get fruit\_price(fruit\_name):

return fruit\_prices.get(fruit\_name.lower(),” "Fruit not found!");

fruit\_input = input("Enter the name of the fruit: ");

print(f"The price of {fruit\_input} is: {get\_fruit\_price(fruit\_input)}");