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Live Training Sessions

Date :	16-May-2024	Board :	CBSE
Class :	8	Assignment :	#2
Subject :	Computer Science	Topic :	Python Basics

Ques 1 : Write a Python program that prompts the user to enter three numbers and finds the greatest number among them.

Ques 2: Write a Python program that prompts the user to enter five numbers and finds the biggest number among them.

Ques 3: Write a Python program that prompts the user to enter a number from 1 to 7 and prints the corresponding day of the week.

Ques 4 : Write a Python program to print numbers from 1 to 100, excluding those that are divisible by 6, 7, and 8.

Ques 5: Write a Python program that prompts the user to input a start and end number, then prints all even numbers between the start and end numbers (inclusive).

Solutions :

Ques 1:

```
# Prompting the user to enter three numbers
num1 = int(input("Enter the first number: "))
num2 = int(input("Enter the second number: "))
num3 = int(input("Enter the third number: "))

# Finding the greatest number among the three
if num1 >= num2 and num1 >= num3:
    greatest = num1
elif num2 >= num1 and num2 >= num3:
    greatest = num2
else:
    greatest = num3

# Displaying the greatest number
print("Greatest number:", greatest)
```

Ques 2:

```
# Prompting the user to enter five numbers
numbers = []
for i in range(5):
    num = int(input("Enter number {}: ".format(i+1)))
    numbers.append(num)

# Finding the biggest number among the five
biggest = max(numbers)

# Displaying the biggest number
print("Biggest number:", biggest)
```

or

```
a = int(input("Enter the first number: "))
b = int(input("Enter the second number: "))
c = int(input("Enter the third number: "))
d = int(input("Enter the fourth number: "))
e = int(input("Enter the fifth number: "))

if (a > b and a > c and a > d and a > e):
    print('Biggest number', a)
elif (b > a and b > c and b > d and b > e):
    print('Biggest number', b)
elif (c > a and c > b and c > d and c > e):
    print('Biggest number', c)
elif (d > a and d > b and d > c and d > e):
    print('Biggest number', d)
else:
    print('Biggest number', e)
```

Ques 3:

```
# Mapping numbers to days of the week
days_of_week = {
    1: "Monday",
    2: "Tuesday",
    3: "Wednesday",
    4: "Thursday",
    5: "Friday",
    6: "Saturday",
    7: "Sunday"
}

# Taking input from the user
num = int(input("Enter a number (1-7): "))

# Checking if the input is within the specified range
if num < 1 or num > 7:
    print("Invalid input! Please enter a number between 1 and 7.")
else:
    # Printing the corresponding day of the week
    print(days_of_week[num])
```

Ques 4:

```
# Printing numbers from 1 to 100 excluding those divisible by 6, 7, and 8
for num in range(1, 101):
    if num % 6 != 0 and num % 7 != 0 and num % 8 != 0:
        print(num, end=" ")
```

Ques 5:

```
# Taking input from the user for start and end numbers
start = int(input("Enter the start number: "))
end = int(input("Enter the end number: "))

# Printing even numbers between start and end (inclusive)
print("Even numbers between", start, "and", end, "are:")
for num in range(start, end + 1):
    if num % 2 == 0:
        print(num, end=" ")
```

END