Assignment _03

Edit
View
Tool

Conditional and Looping Statements

Exercise 1

Input 12

```
12    if 1 <= month <= 12:
13        print(f"Month {month} is {months[month - 1]}")
14    else: print("Invalid month. Please enter a number between 1 and 12.")
```

Run MonthNames ×

```
C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\Scripts\python
Enter the month (1-12): 12
Month 12 is December

Process finished with exit code 0
```

Input 16

```
11    if 1 <= month <= 12:
12        print(f"Month {month} is {months[month - 1]}")
13    else: print("Invalid month. Please enter a number between 1 and 12.")
14    #--------------------      ----------------------    ---------------------------
```

Run MonthNames ×

```
C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\Scripts\python.exe C:\Us
Enter the month (1-12): 16
Invalid month. Please enter a number between 1 and 12.

Process finished with exit code 0
```

Exercise 2

```python
if age < 16:
    price = 6 * 0.5
elif age >= 60:
    price = 6 / 3
else: price = 6
print(f"Your ticket costs £{price:.2f}")
```

MonthNames

```
C:\Users\pc\PycharmProjects\Assignments_python_project
Enter your age: 15
Your ticket costs £3.00

Process finished with exit code 0
```

Input Age= 15

```python
if age < 16:
    price = 6 * 0.5
elif age >= 60:
    price = 6 / 3
else: price = 6
print(f"Your ticket costs £{price:.2f}")
```

Run MonthNames

```
Enter your age: 60
Your ticket costs £2.00

Process finished with exit code 0
```

Input Age = 60

```python
if age < 16:
    price = 6 * 0.5
elif age >= 60:
    price = 6 / 3
else: price = 6
print(f"Your ticket costs £{price:.2f}")
```

MonthNames

price: float = 6

```
C:\Users\pc\PycharmProjects\Assignments_python_pro
Enter your age: 34
Your ticket costs £6.00

Process finished with exit code 0
```

Input Age= 34

Exercise 3

Output=Underweight

```
Run    MonthNames ×

C:\Users\pc\PycharmProjects\Assignments_python_project\
Enter your weight in (kg): 50
Enter your height in (m): 1.65
Your BMI is: 18.37
You are in the "underweight" range.

Process finished with exit code 0
```

Output=Normal

```
49    print(f"You are in the \"{status}\" range.")
Run    MonthNames ×

C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\S
Enter your weight in (kg): 60
Enter your height in (m): 1.65
Your BMI is: 22.04
You are in the "normal" range.

Process finished with exit code 0
```

Exercise 3

Output=Overweight

```
    status = "obese"

print(f"Your BMI is: {bmi:.2f}")
print(f"You are in the \"{status}\" range.")
```

MonthNames

```
C:\Users\pc\PycharmProjects\Assignments_python_proje
Enter your weight in (kg): 75
Enter your height in (m): 1.65
Your BMI is: 27.55
You are in the "overweight" range.

Process finished with exit code 0
```

Output=Obese

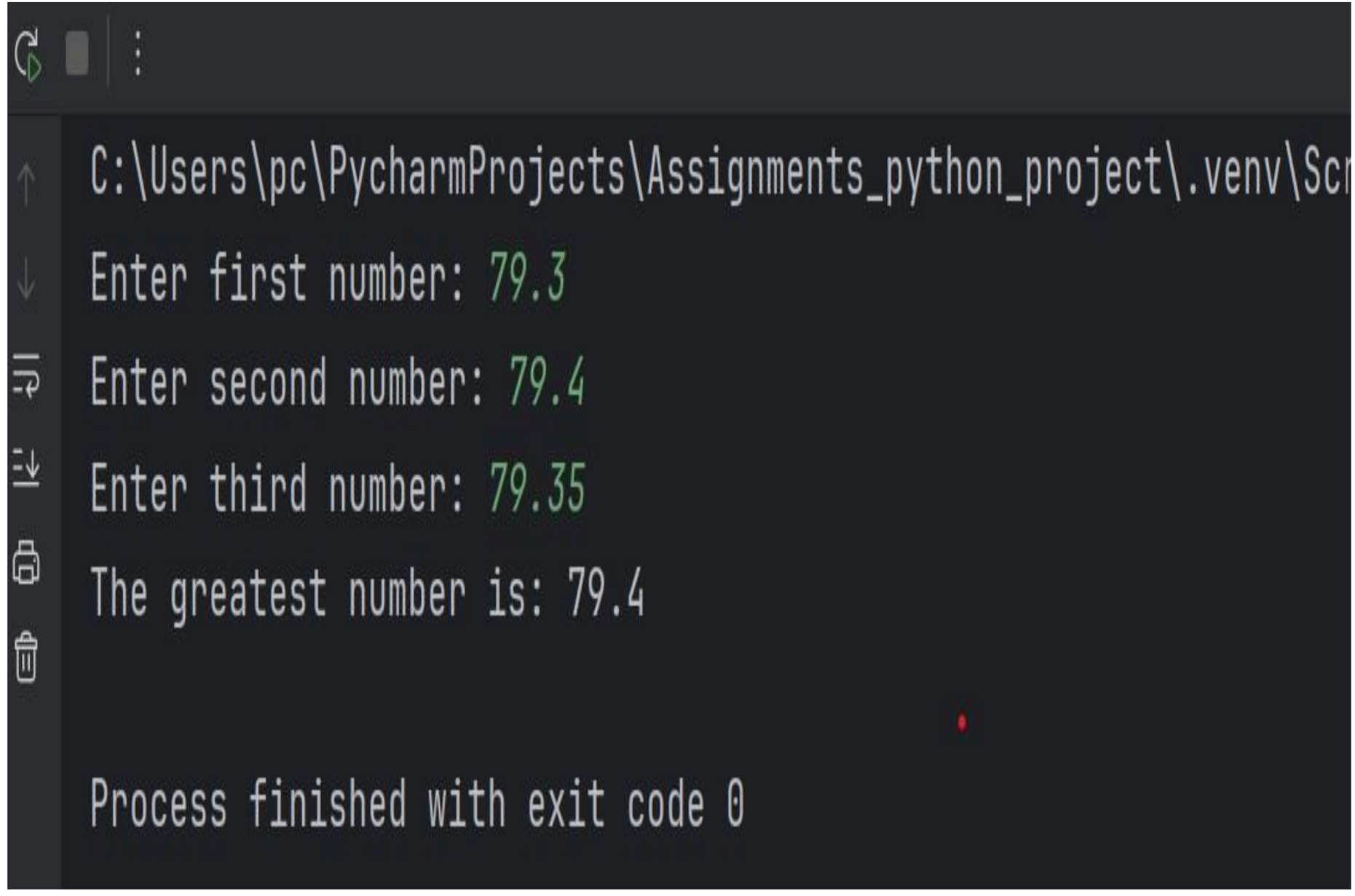
```
49  print(f"You are in the \"{status}\" range.
```

Run MonthNames

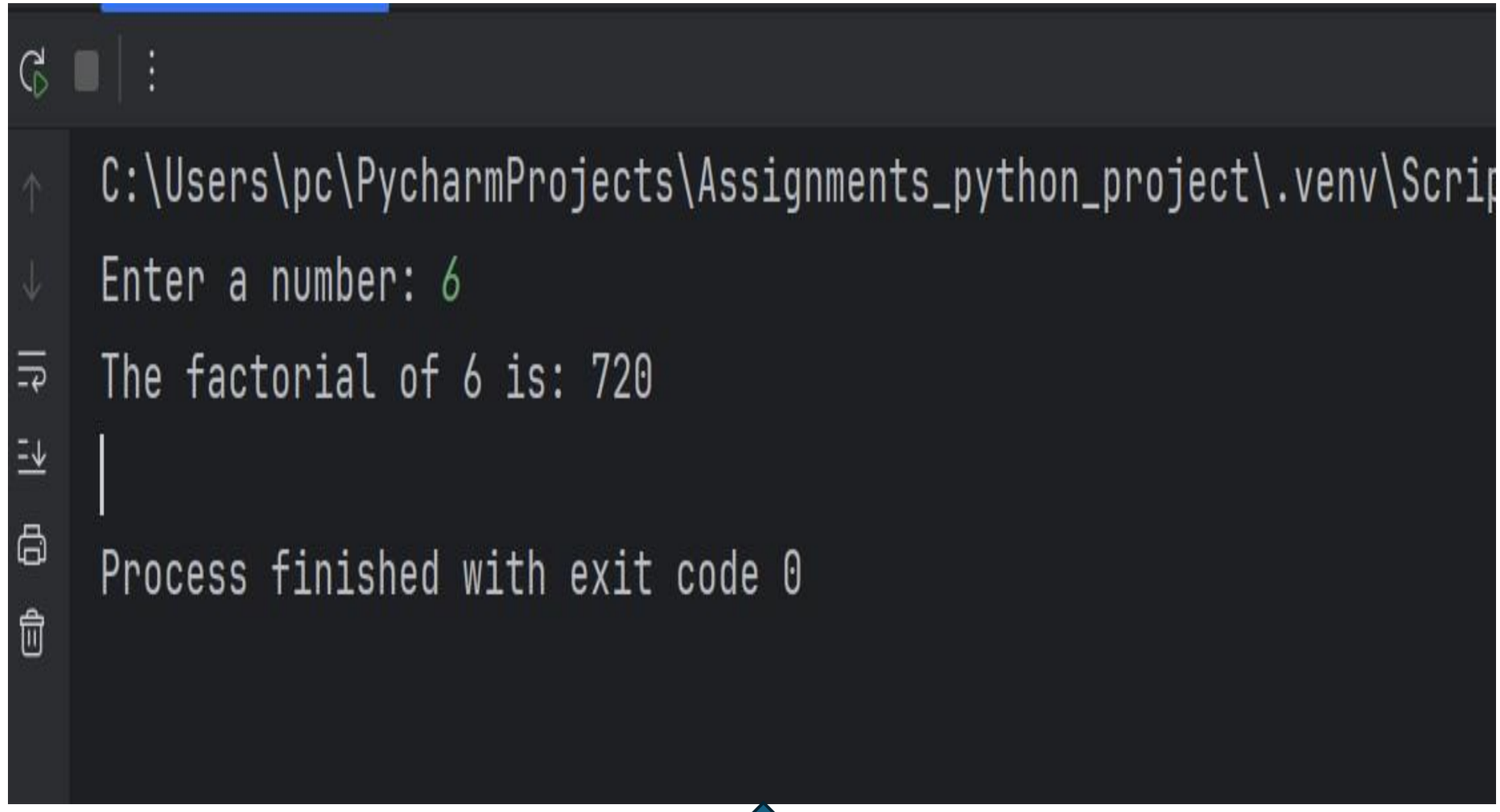
```
C:\Users\pc\PycharmProjects\Assignments_pytho
Enter your weight in (kg): 95
Enter your height in (m): 1.60
Your BMI is: 37.11
You are in the "obese" range.

Process finished with exit code 0
```

Exercise 4

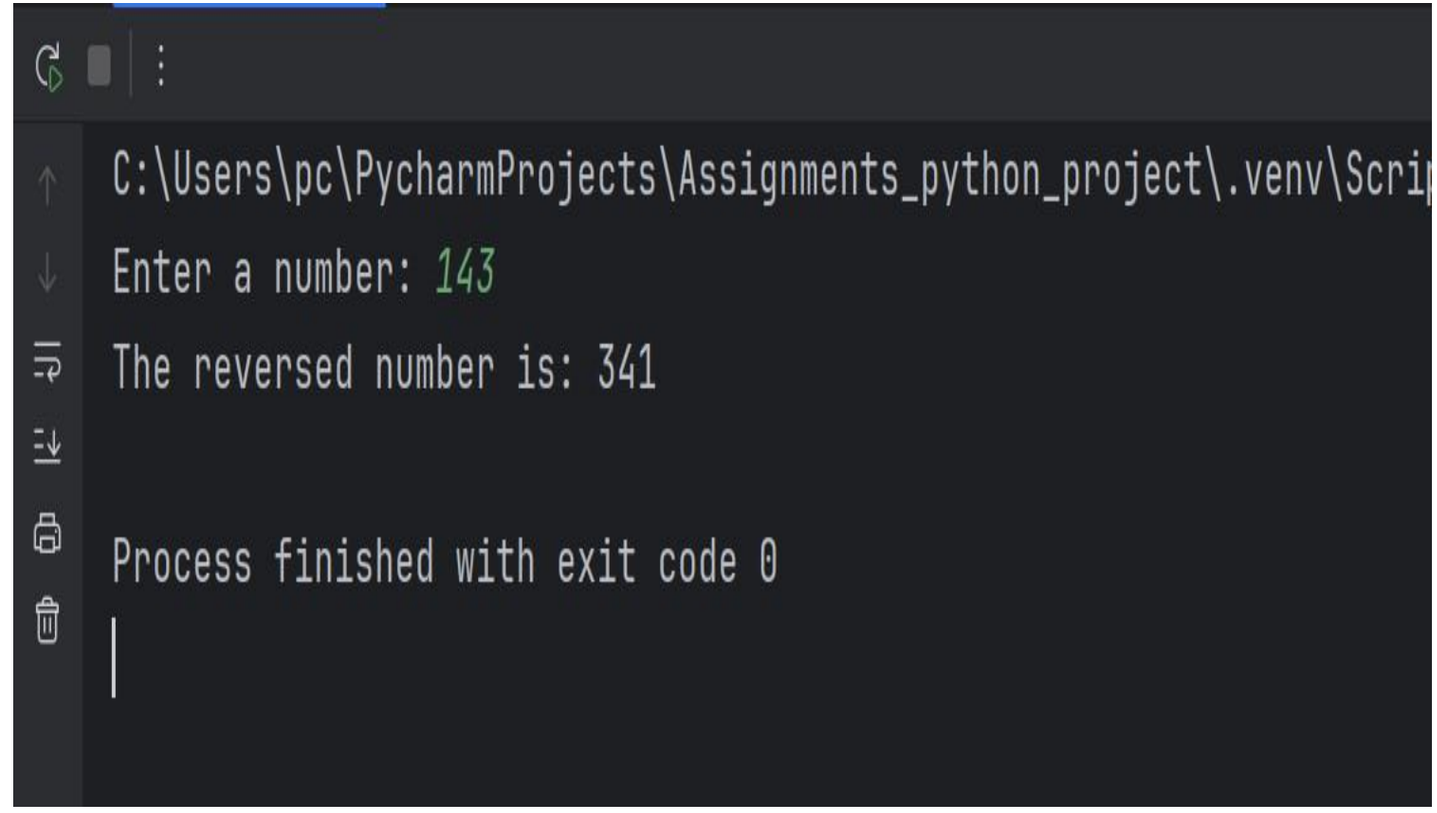

C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\Scr
Enter first number: 79.3
Enter second number: 79.4
Enter third number: 79.35
The greatest number is: 79.4
Process finished with exit code 0

Exercise 5



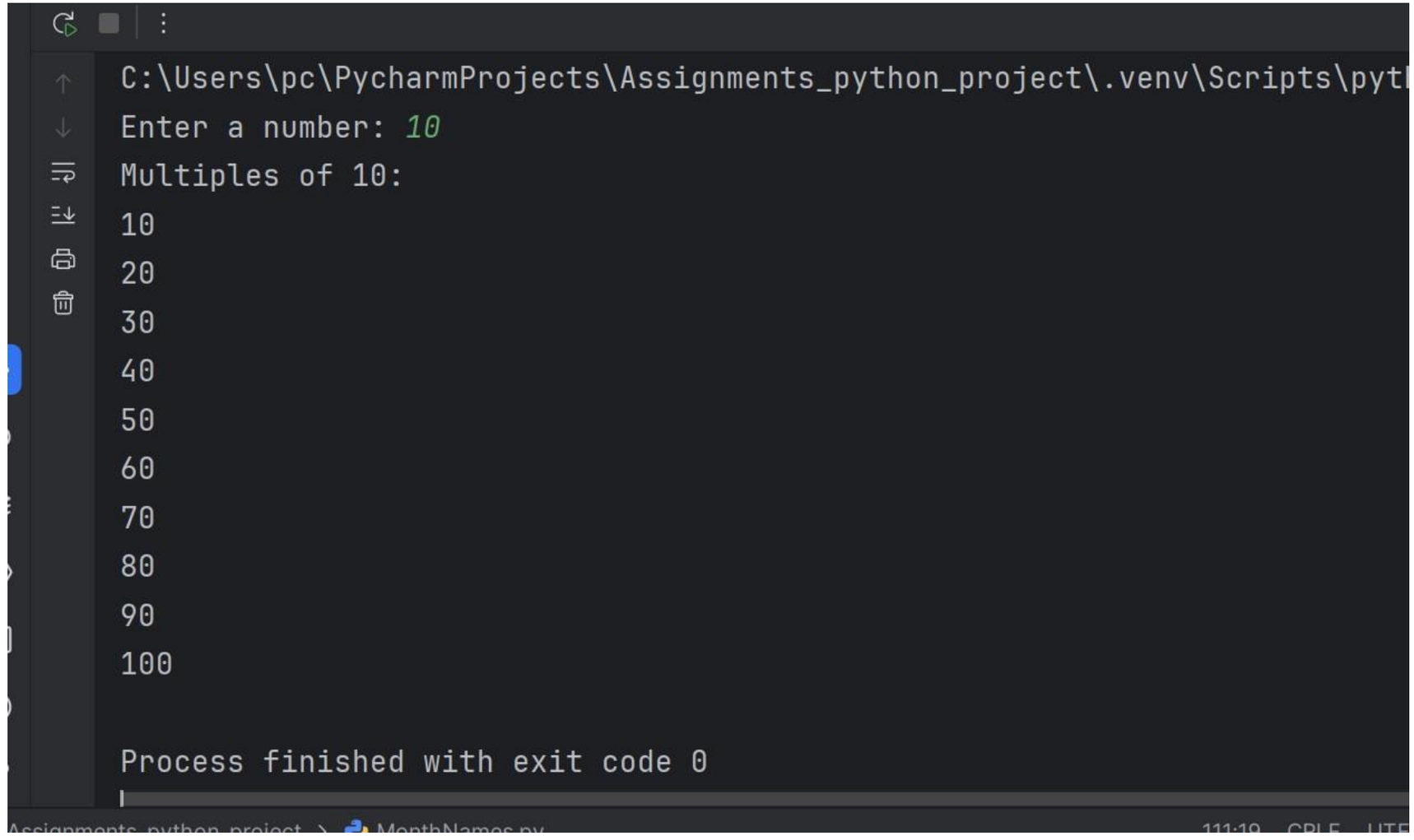
6!=6*5*4*3*2*1

Exercise 6

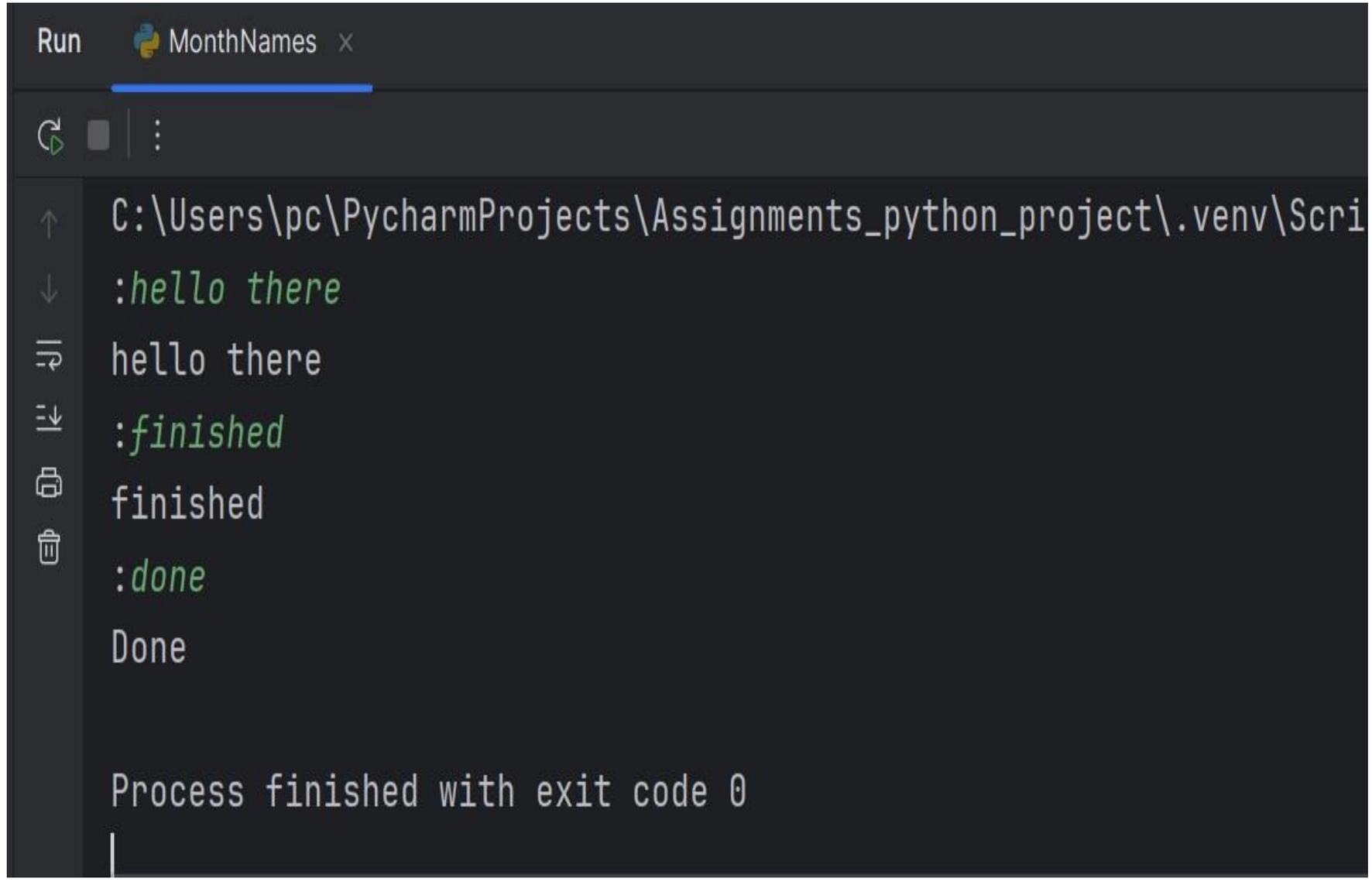


Reversed number

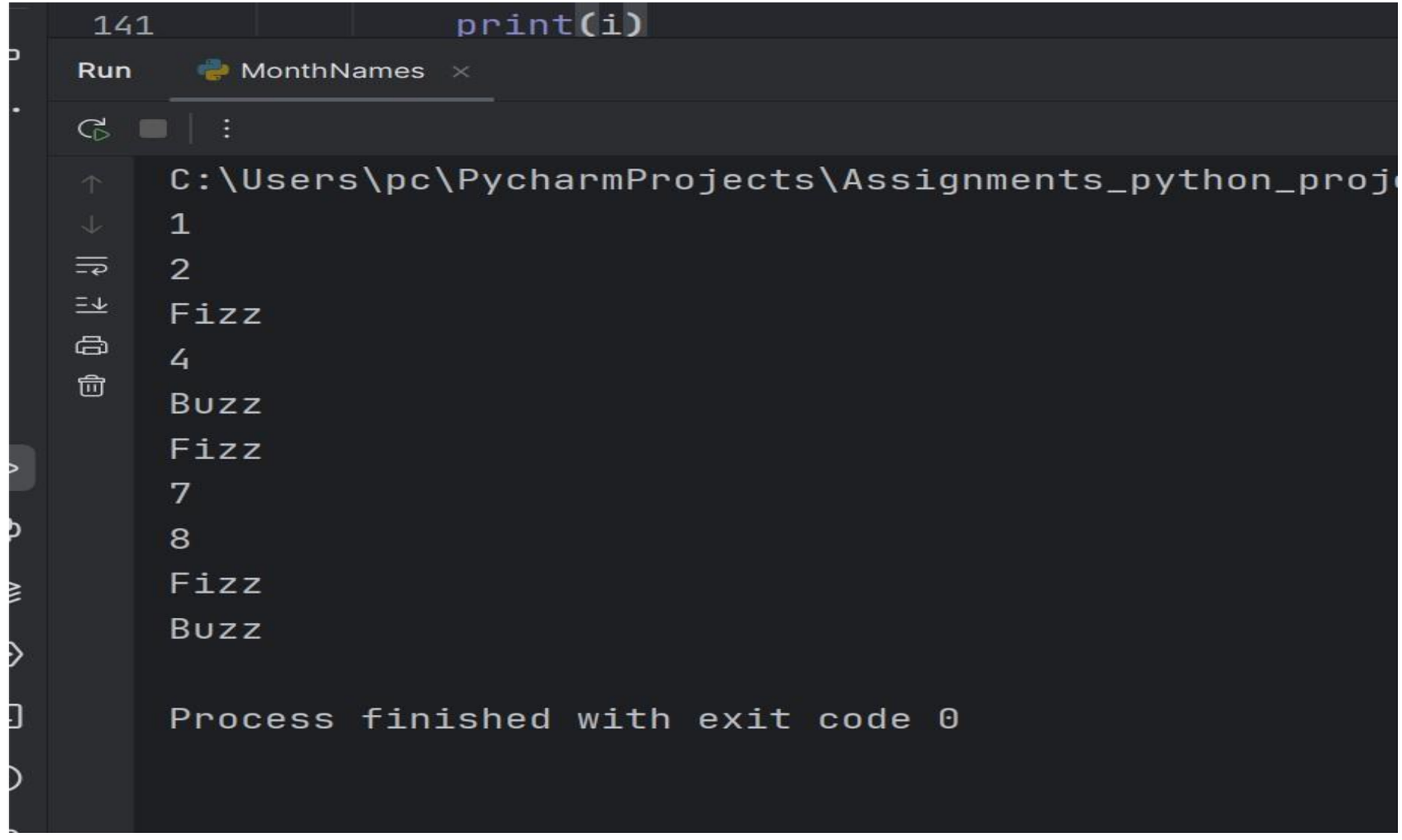
Exercise 7


C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\Scripts\pyt
Enter a number: 10
Multiples of 10:
10
20
30
40
50
60
70
80
90
100
Process finished with exit code 0

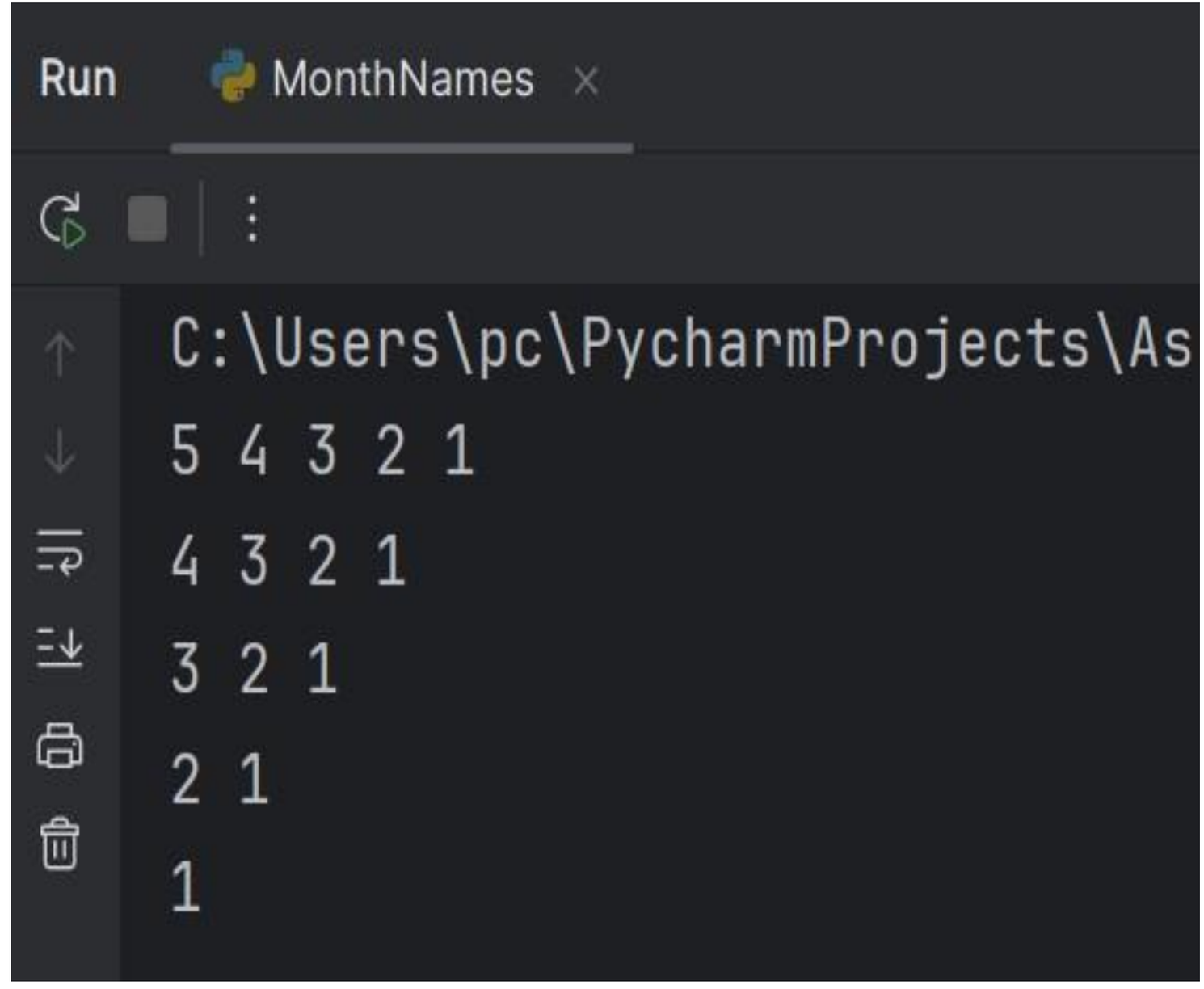
Exercise 8


Run
MonthNames
C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\Scri
:hello there
hello there
:finished
finished
:done
Done
Process finished with exit code 0

Exercise 9


141 print(i)
Run MonthNames
C:\Users\pc\PycharmProjects\Assignments_python_proj
1
2
Fizz
4
Buzz
Fizz
7
8
Fizz
Buzz
Process finished with exit code 0

Exercise 10


Run
MonthNames
C:\Users\pc\PycharmProjects\As
5 4 3 2 1
4 3 2 1
3 2 1
2 1
1