Ques1 Write a program to find greatest between two numbers.

Code:

```
def find_greatest(num1, num2):
    if num1 > num2:
        return num1
    else:
        return num2


# Example usage:
num1 = int(input("Enter the first number: "))
num2 = int(input("Enter the second number: "))

greatest = find_greatest(num1, num2)
print("The greatest number is:", greatest)
```

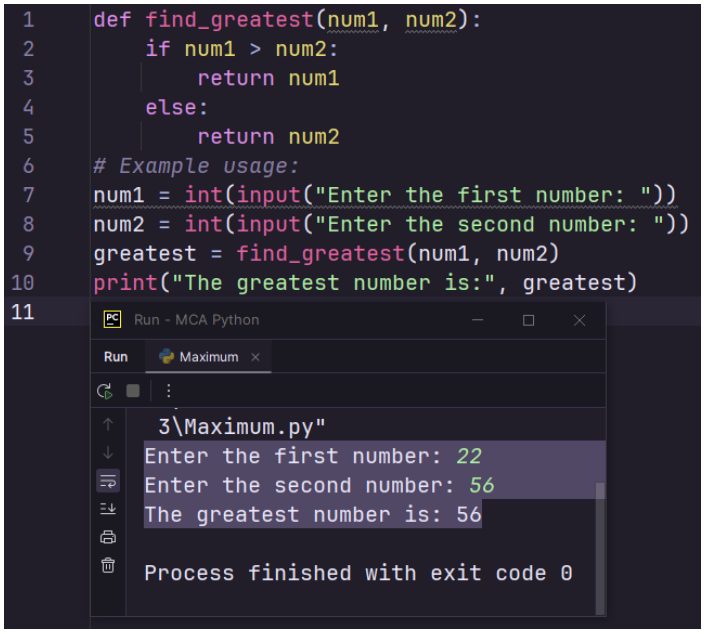
Output:

Enter the first number: 22

Enter the second number: 56

The greatest number is: 56

Snap:



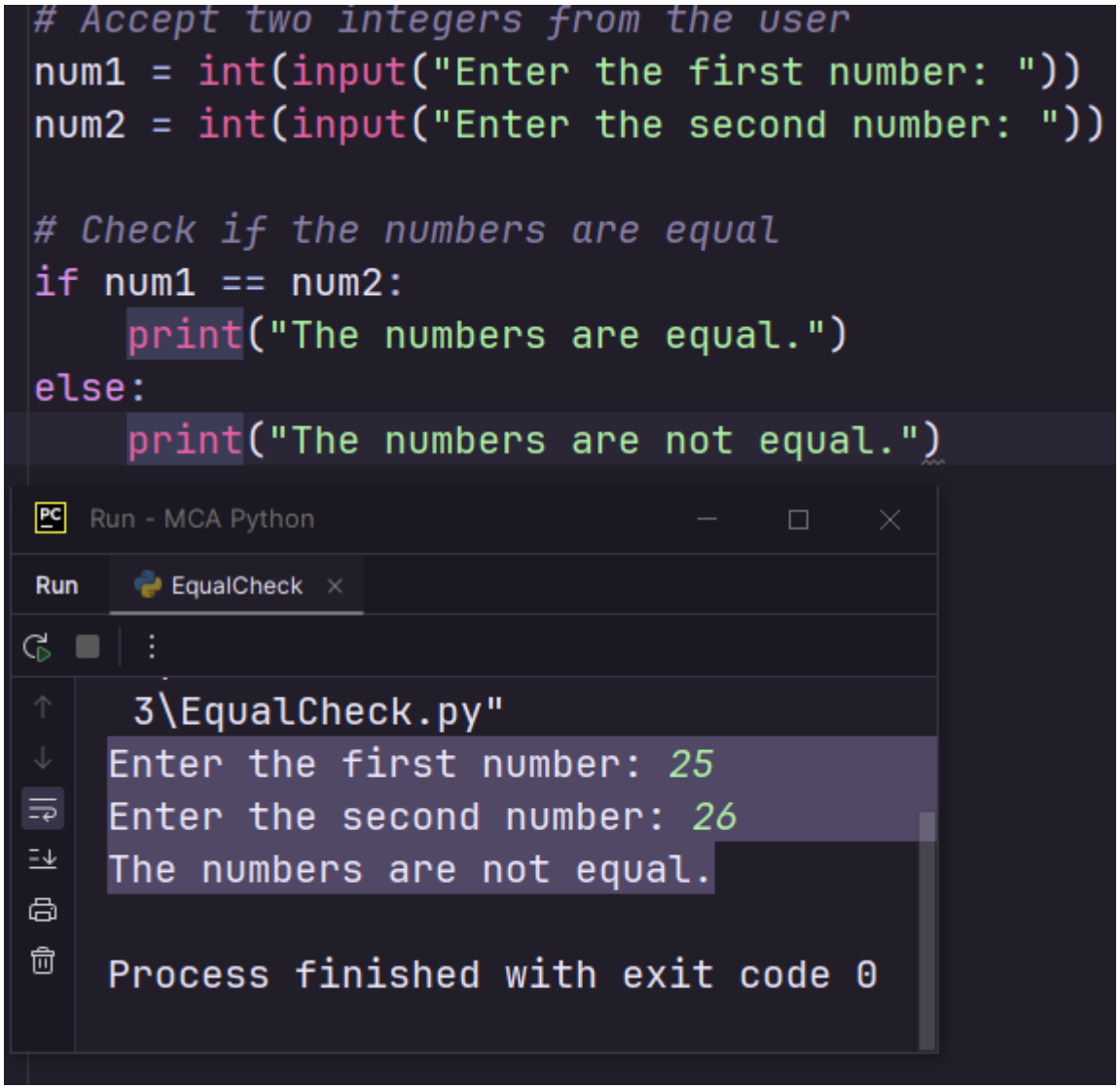
Ques-2 Write a program to Accept two Integers and Check if they are Equal

Code:

```
# Accept two integers from the user
num1 = int(input("Enter the first number: "))
num2 = int(input("Enter the second number: "))

# Check if the numbers are equal
if num1 == num2:
```

```
    print("The numbers are equal.")
else:
    print("The numbers are not equal.")
```

Output:
Enter the first number: 25
Enter the second number: 26
The numbers are not equal.
Snap:



Ques-3 Write a program to Check if a given Integer is Positive or Negative.
Code:

```
# Accept an integer from the user
num = int(input("Enter an integer: "))

# Check if the number is positive or negative
if num > 0:
    print("The number is positive.")
```

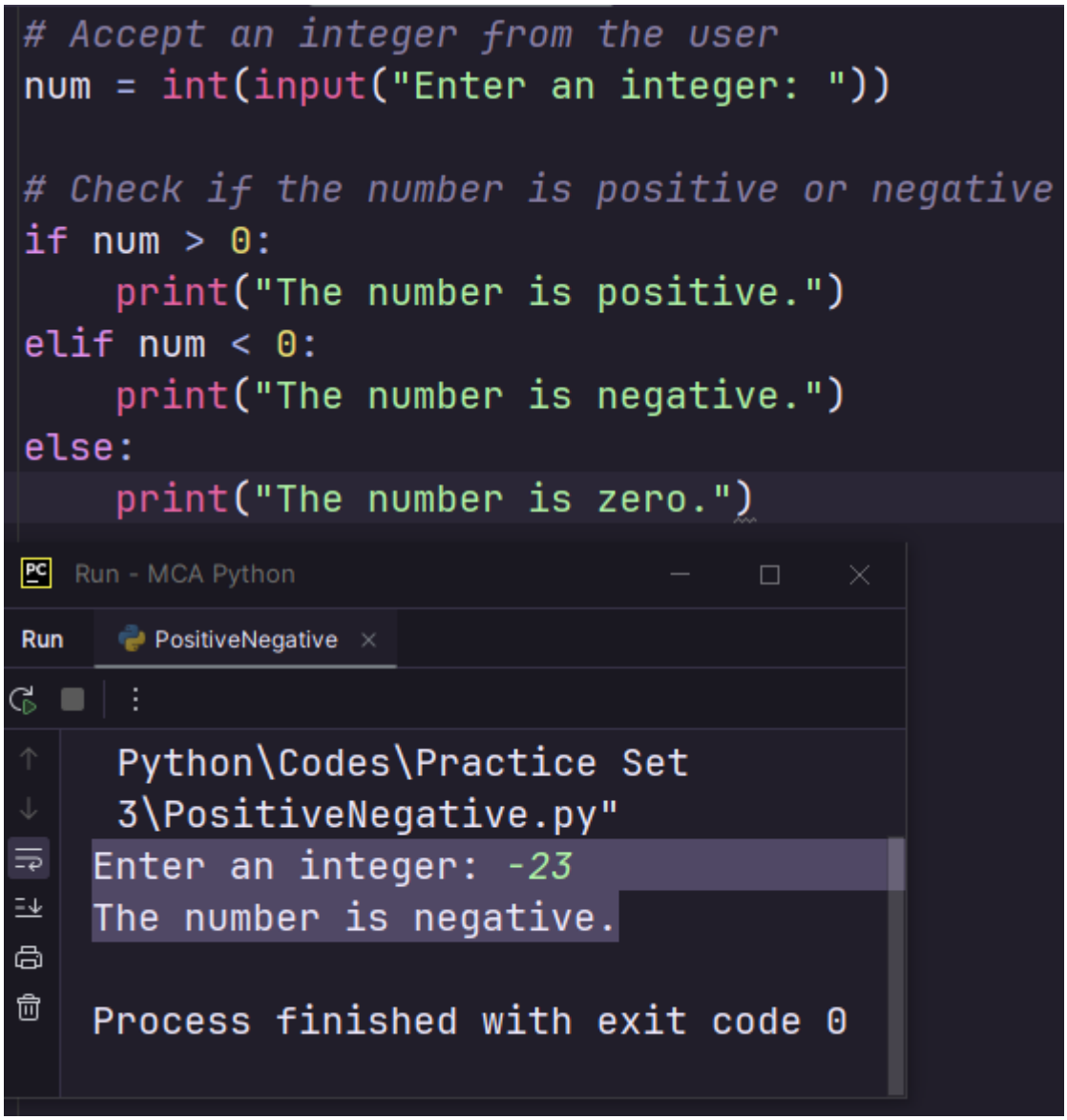
```
elif num < 0:
   print("The number is negative.")
else:
   print("The number is zero.")
```

Output:

Enter an integer: -23

The number is negative.

Snap:



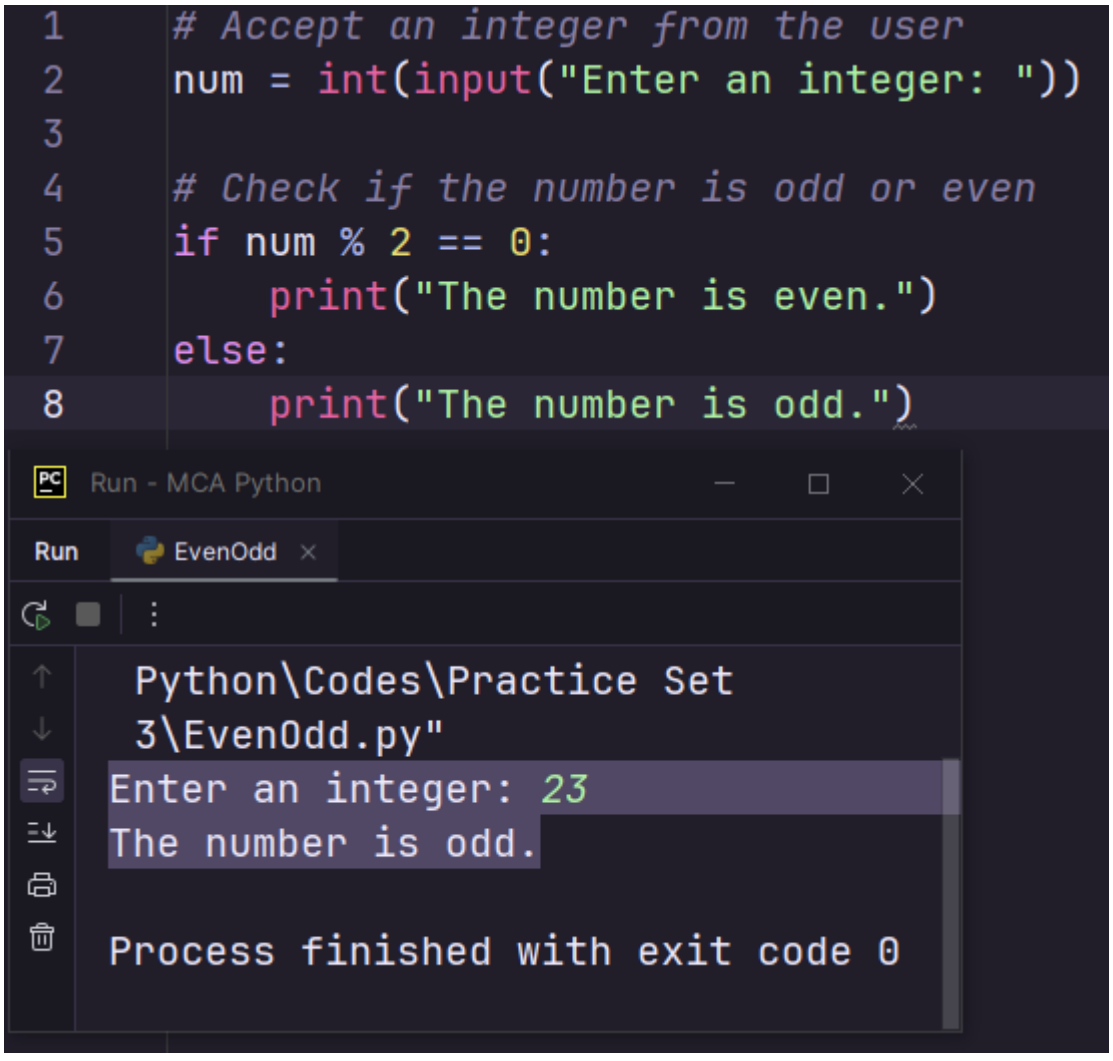
Ques-4 Write a program to Check if a given Integer is Odd or Even

Code:

```
# Accept an integer from the user
num = int(input("Enter an integer: "))

# Check if the number is odd or even
if num % 2 == 0:
```

```
    print("The number is even.")
else:
    print("The number is odd.")
```

Output:
Enter an integer: 23
The number is odd.
Snap:



5. Write a program to Check if a given Integer is Divisible by 5 or not.
Code:

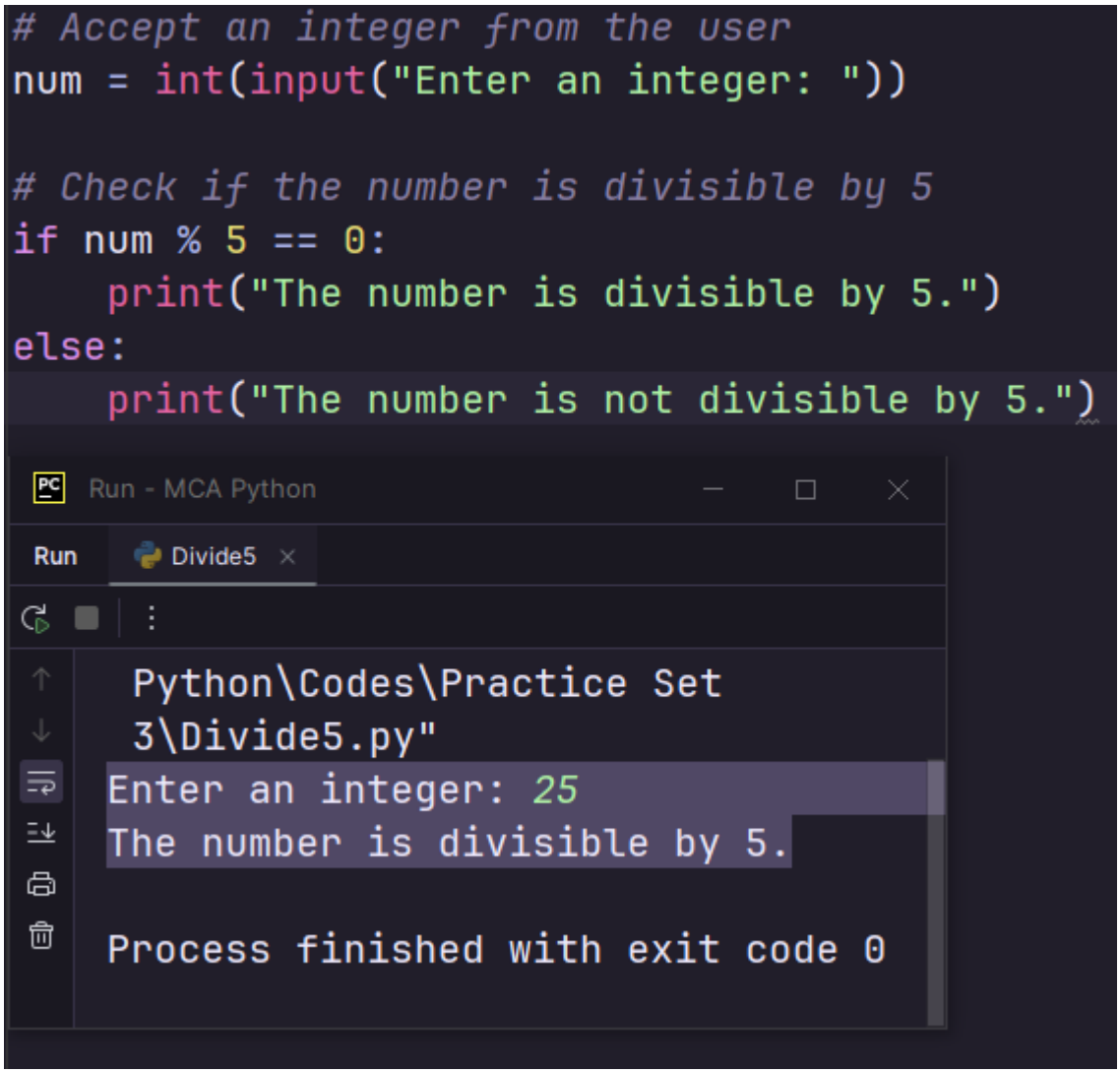
```
# Accept an integer from the user
num = int(input("Enter an integer: "))

# Check if the number is divisible by 5
if num % 5 == 0:
    print("The number is divisible by 5.")
```

else:
    print("The number is not divisible by 5.")

Output:

Enter an integer: 25
The number is divisible by 5.

Snap;

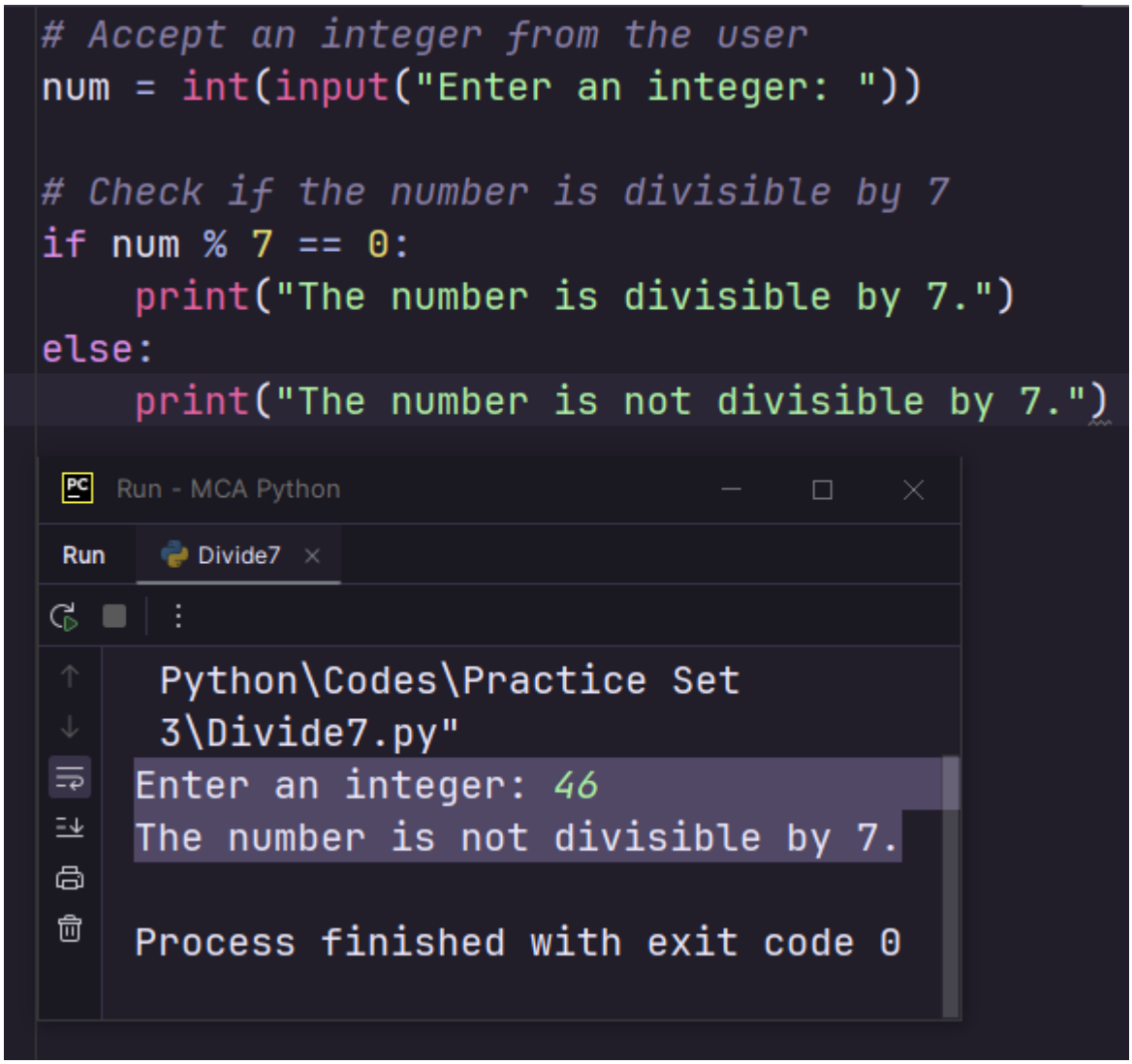


6. Write a program to Check if a given Integer is Divisible by 7 or not.

Code:
# Accept an integer from the user
num = int(input("Enter an integer: "))

```
# Check if the number is divisible by 7
if num % 7 == 0:
    print("The number is divisible by 7.")
else:
    print("The number is not divisible by 7.")
```

Ouput:
Enter an integer: 46
The number is not divisible by 7.
Snap:



8. Write a program to find the greatest of three numbers using else if ladder.

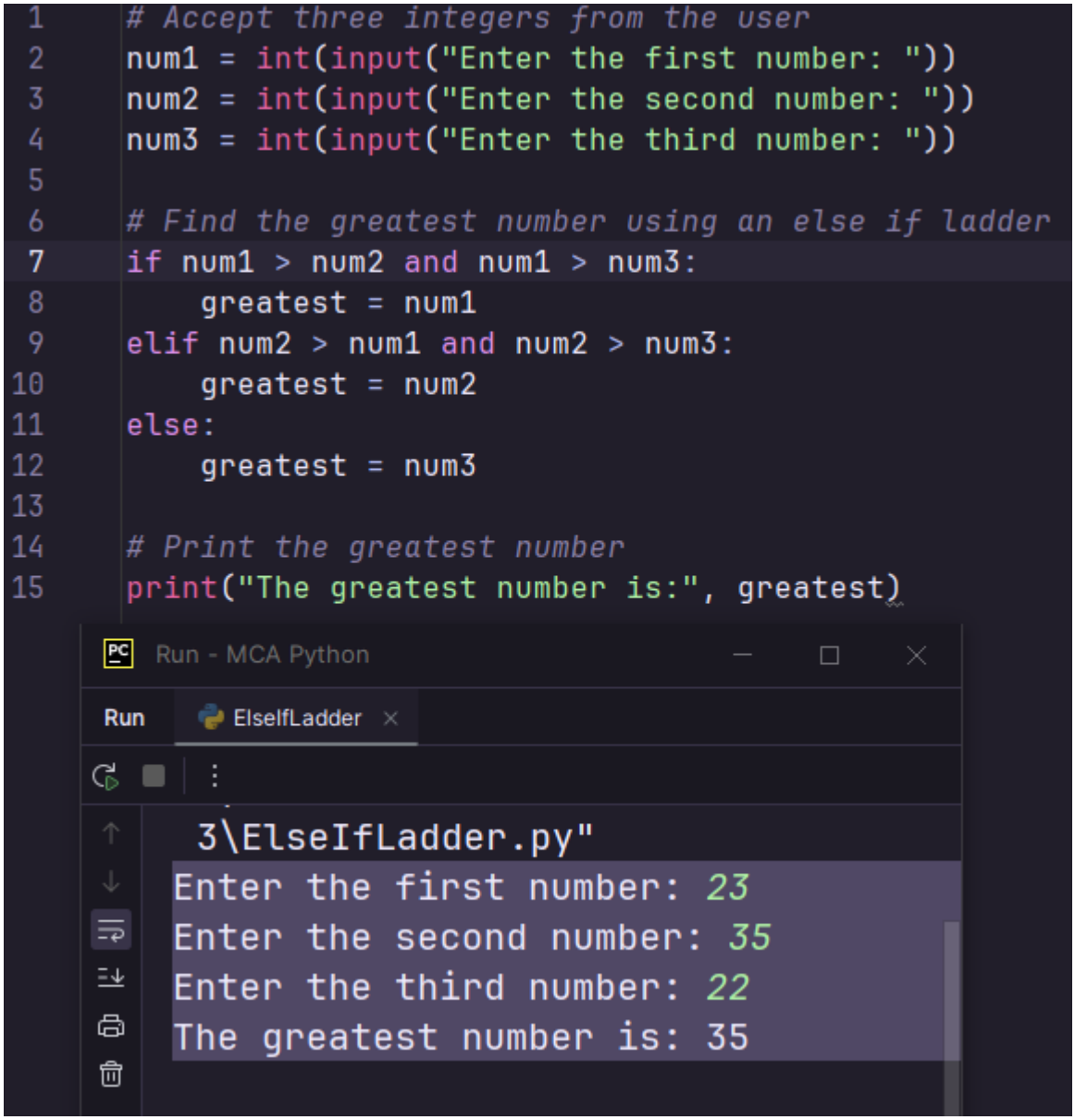
Code:

```
# Accept three integers from the user
num1 = int(input("Enter the first number: "))
num2 = int(input("Enter the second number: "))
num3 = int(input("Enter the third number: "))

# Find the greatest number using an else if ladder
if num1 > num2 and num1 > num3:
   greatest = num1
elif num2 > num1 and num2 > num3:
   greatest = num2
else:
   greatest = num3

# Print the greatest number
print("The greatest number is:", greatest)
```

Output:

```
Enter the first number: 23
Enter the second number: 35
Enter the third number: 22
The greatest number is: 35
```

Snap:



9. Write a program to find the greatest of three numbers using Nested if.

Code:

```
# Accept three integers from the user
num1 = int(input("Enter the first number: "))
num2 = int(input("Enter the second number: "))
num3 = int(input("Enter the third number: "))

# Find the greatest number using a nested if statement
if num1 >= num2:
    if num1 >= num3:
```

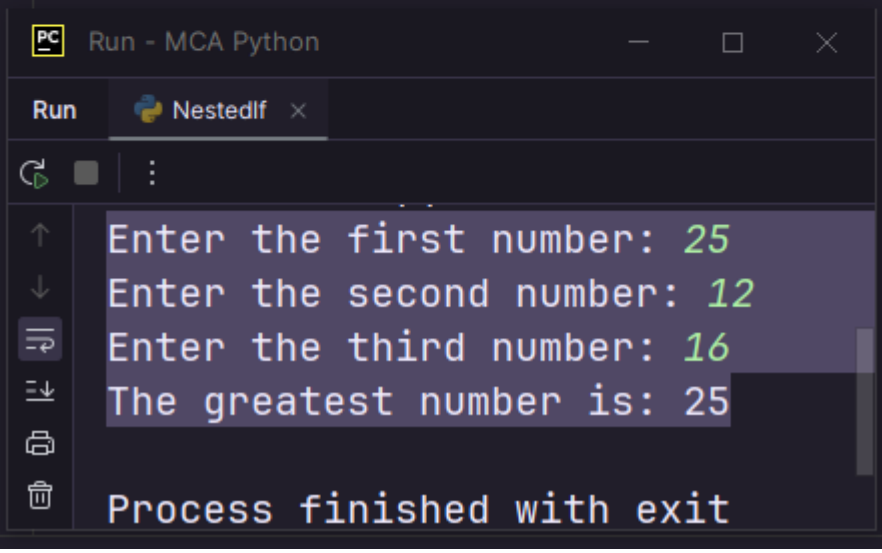
```
        greatest = num1
    else:
        greatest = num3
else:
    if num2 >= num3:
        greatest = num2
    else:
        greatest = num3

# Print the greatest number
print("The greatest number is:", greatest)
```

Output:

Enter the first number: 25
Enter the second number: 12
Enter the third number: 16
The greatest number is: 25

Snap:

```python
# Accept three integers from the user
num1 = int(input("Enter the first number: "))
num2 = int(input("Enter the second number: "))
num3 = int(input("Enter the third number: "))

# Find the greatest number using a nested if statement
if num1 >= num2:
    if num1 >= num3:
        greatest = num1
    else:
        greatest = num3
else:
    if num2 >= num3:
        greatest = num2
    else:
        greatest = num3

# Print the greatest number
print("The greatest number is:", greatest)
```



10. Write a program to convert an Upper case character into lower case and vice-versa.

Code:

```
# Accept a character from the user
char = input("Enter a character: ")

# Convert the character to lowercase or uppercase depending on its case
if char.islower():
    new_char = char.upper()
else:
    new_char = char.lower()
```

# Print the new character
print("The new character is:", new_char)
Output:
Enter a character: RAHUL
The new character is: rahul
Snap: