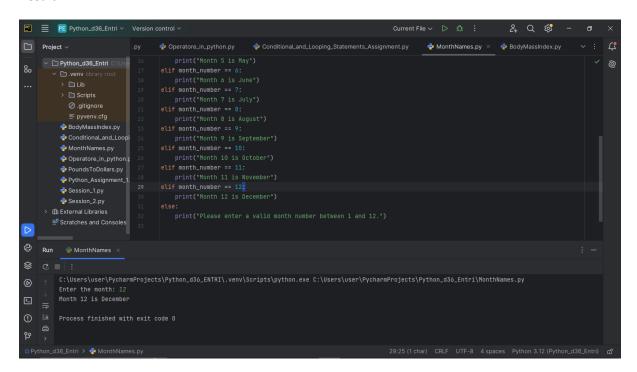
PYTHON ASSIGNMENT - 2: CONDITIONAL & LOOPING STATEMENTS

Exercise 1: Name your file: MonthNames.py Write a program that reads an integer value between 1 and 12 from the user and prints output the corresponding month of the year. An example run of the program (numbers in bold are typed in by the user) Enter the month: 3 Month 3 is March.

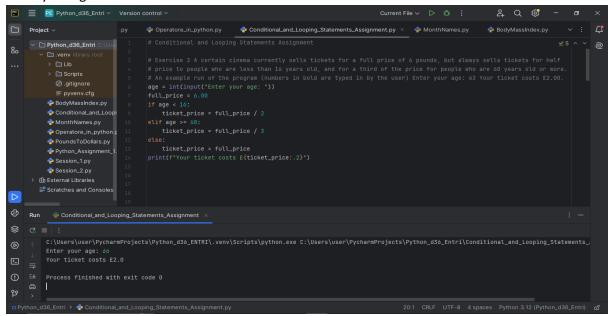
Code:

```
PE Python_d36_Entri V Version control
                                                                                                                                                              2 Q 6
Project
                                           Operatore in python.py
                                                                          Conditional and Looping Statements Assignment.pv
                                                                                                                                   MonthNames.py ×
                                                                                                                                                           BodyMassIndex.pv
80
              .gitignore
                                           elif month_number == 2:
print("Month 2 is February")
elif month_number == 3:
                                            elif month_number == 4
            Operatore_in_python.r
            PoundsToDollars.py
                                            elif month_number == 5:
    print("Month 5 is May")
                                                print("Month 6 is June")
       > Ifh External Libraries
          Scratches and Consoles
@
                                            elif month_number == 9:
♦
                                             elif month_number == 10
(D)
                                            elif month_number == 11:
    print("Month 11 is November")
          d36_Entri > 🦆 MonthNames.p
```

Result:



Exercise 2: A certain cinema currently sells tickets for a full price of 6 pounds, but always sells tickets for half price to people who are less than 16 years old, and for a third of the price for people who are 60 years old or more. An example run of the program (numbers in bold are typed in by the user) Enter your age: 63 Your ticket costs £2.00.

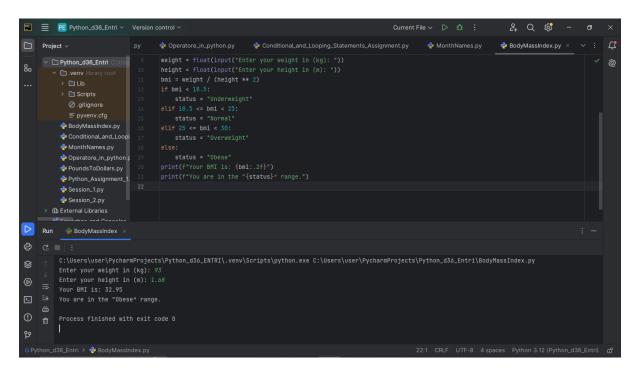


Exercise 3: Name your file: BodyMassIndex.py Write a program to calculate your BMI and give weight status. Body Mass Index (BMI) is an internationally used measurement to check if you are a healthy weight for your height. The metric BMI formula accepts weight in kilograms and height in meters: BMI= weight(kg)/height2(m2) BMI Weight Status Categories table BMI range - kg/m2 Category Below 18.5 Underweight 18.5 -24.9 Normal 25 - 29.9 Overweight 30 & Above Obese An example run of the program (numbers in bold are typed in by the user) Enter your weight in (kg): 75 Enter your height in (m): 1.70 Your BMI is: 25.95 You are in the "overweight" range.

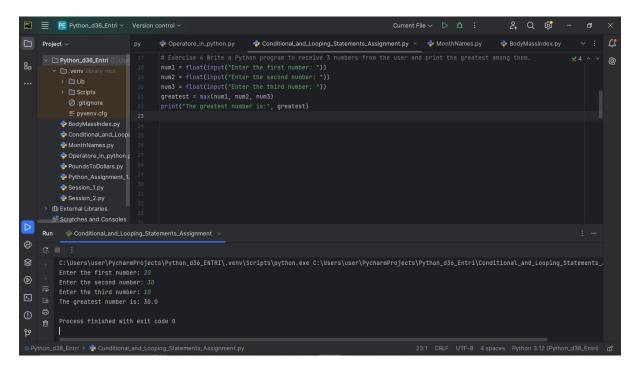
Code:

```
PE Python_d36_Entri ∨ Version control
                                               # # in (m): 1.70 Your BMI is: 25.95 You are in the "overweight" range weight = float(input("Enter your weight in (kg): "))
height = float(input("Enter your height in (m): "))
            BodyMassIndex.pv
             Conditional_and_Loopi
             NonthNames.py
             Operatore_in_python.r
                                                if bmi < 18.5:
             Python_Assignment_1.
                                                elif 18.5 <= bmi < 25:
             Session_1.py
             Session_2.py
                                                elif 25 <= bmi < 30:
⅌
                                                print(f"You are in the "{status}" range.")
⊗
          _d36_Entri > 🍦 BodyMassIndex.py
```

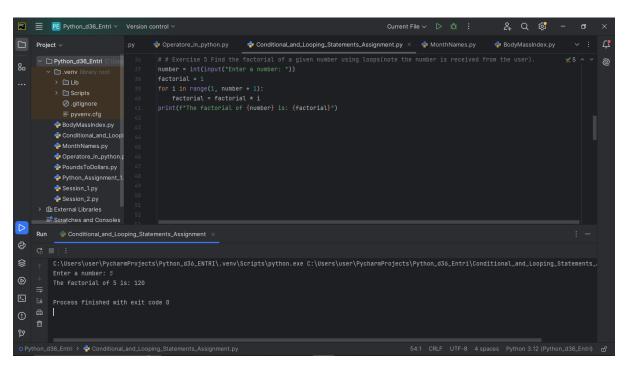
Result:



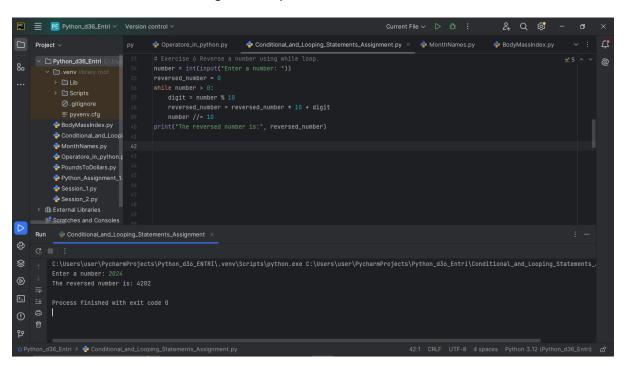
Exercise 4: Write a Python program to receive 3 numbers from the user and print the greatest among them.



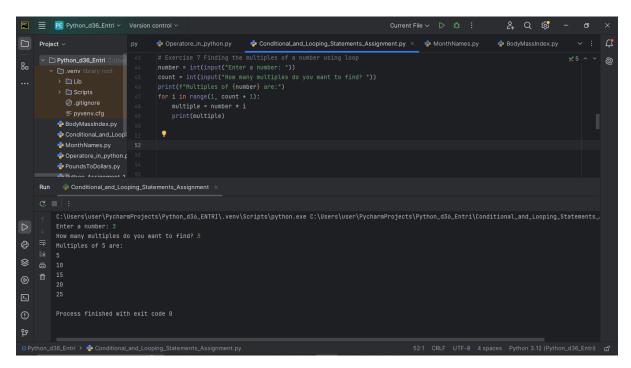
Exercise 5: Find the factorial of a given number using loops(note the number is received from the user).



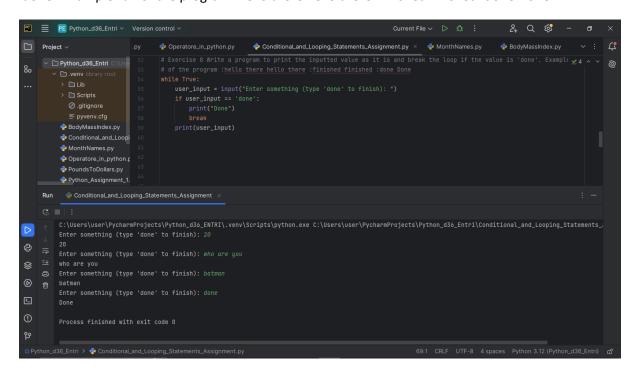
Exercise 6: Reverse a number using while loop.



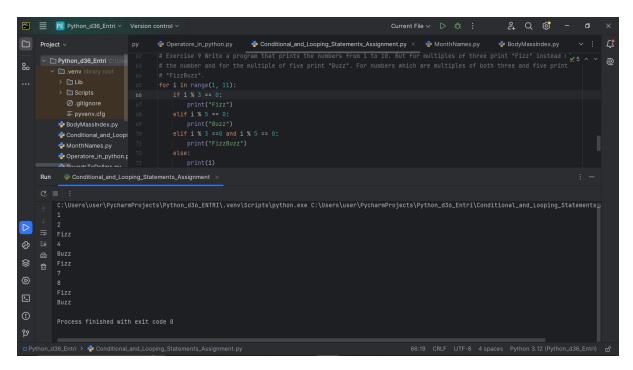
Exercise 7: Finding the multiples of a number using loop.



Exercise 8: Write a program to print the inputted value as it is and break the loop if the value is 'done'. Example run of the program :hello there hello there :finished finished :done Done.



Exercise 9: Write a program that prints the numbers from 1 to 10. But for multiples of three print "Fizz" instead of the number and for the multiple of five print "Buzz". For numbers which are multiples of both three and five print "FizzBuzz".



Exercise 10: Write a program to print the following pattern: 5 4 3 2 1 4 3 2 1 3 2 1 2 1 1.

