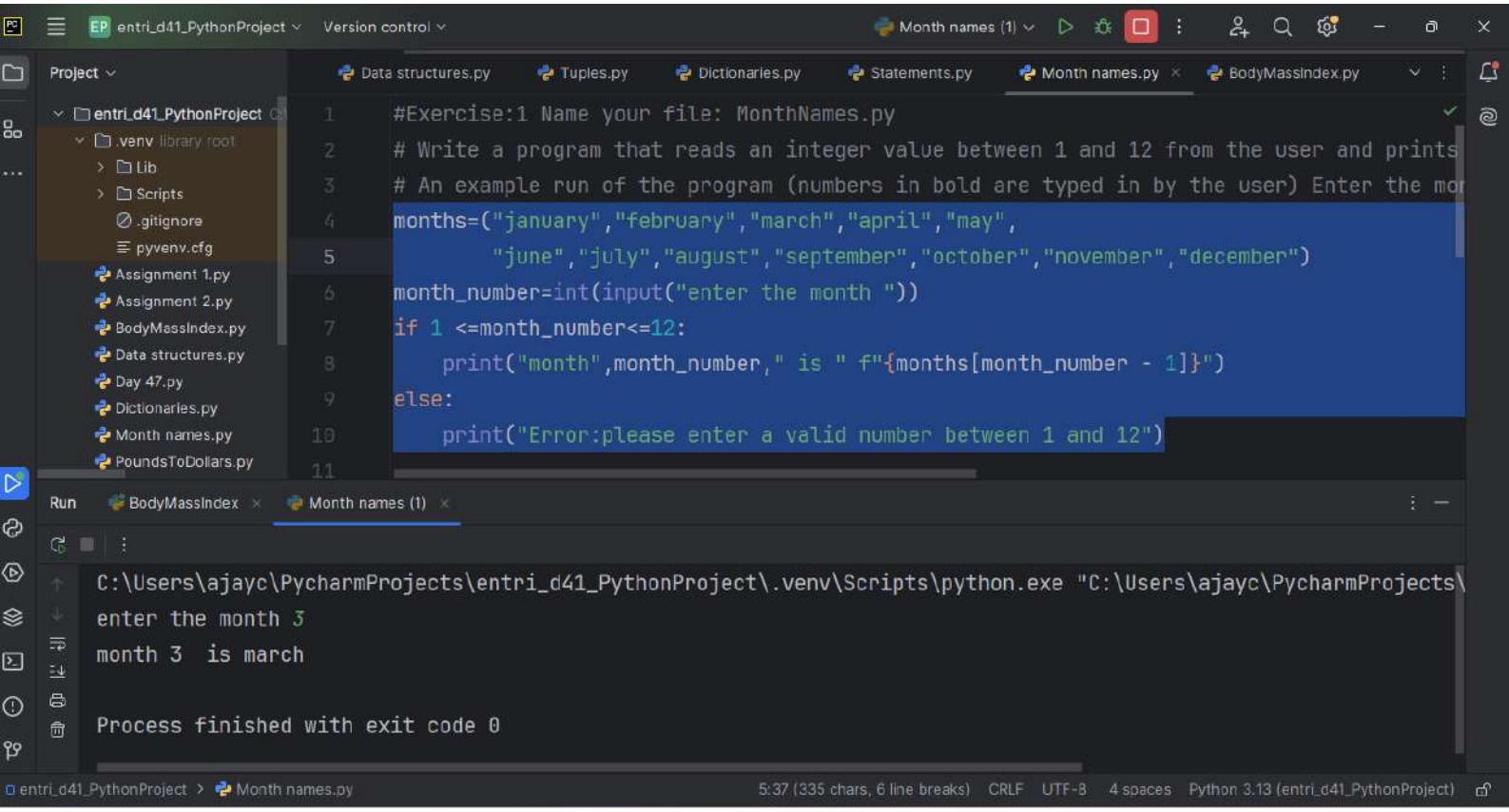
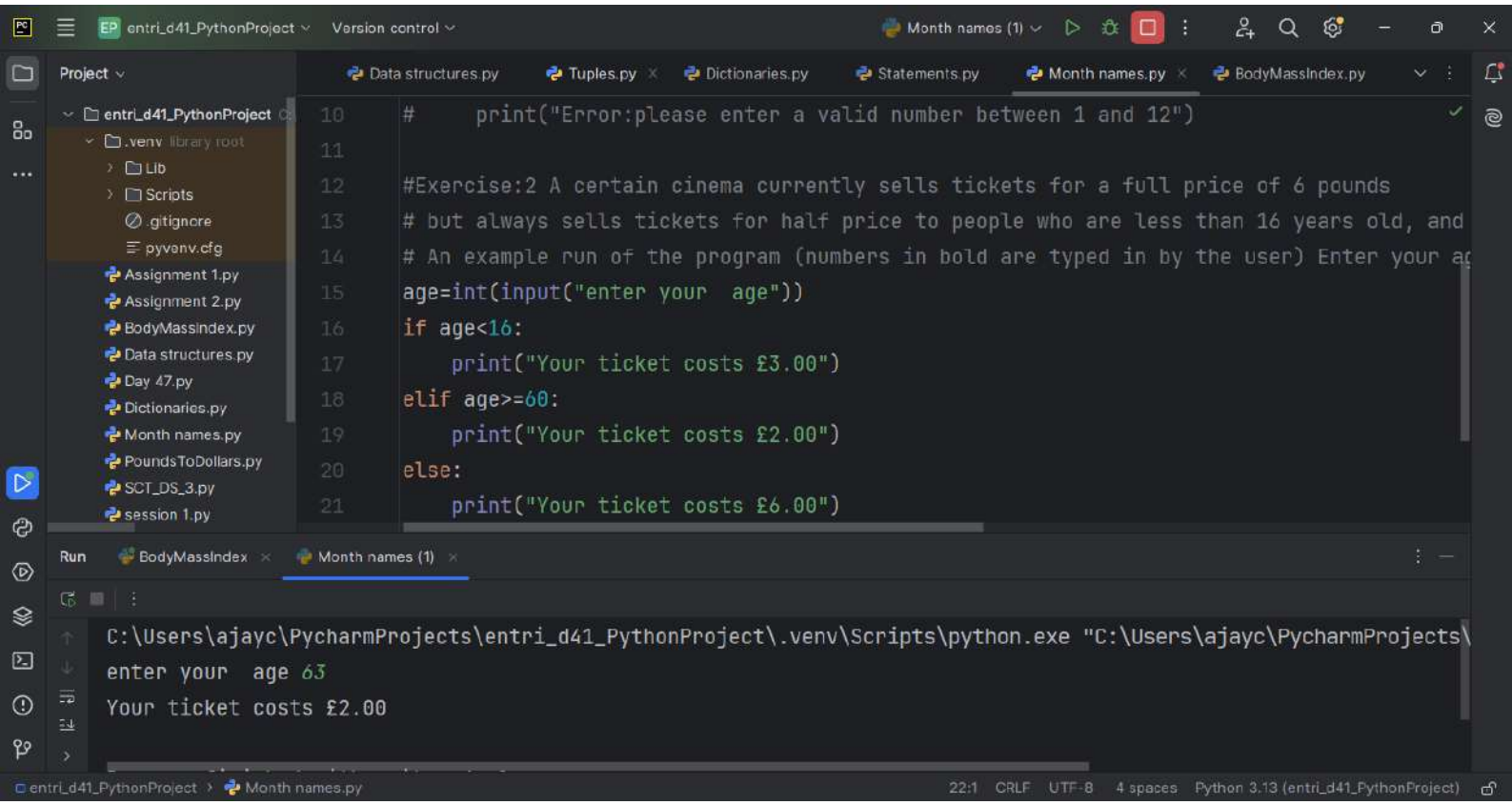
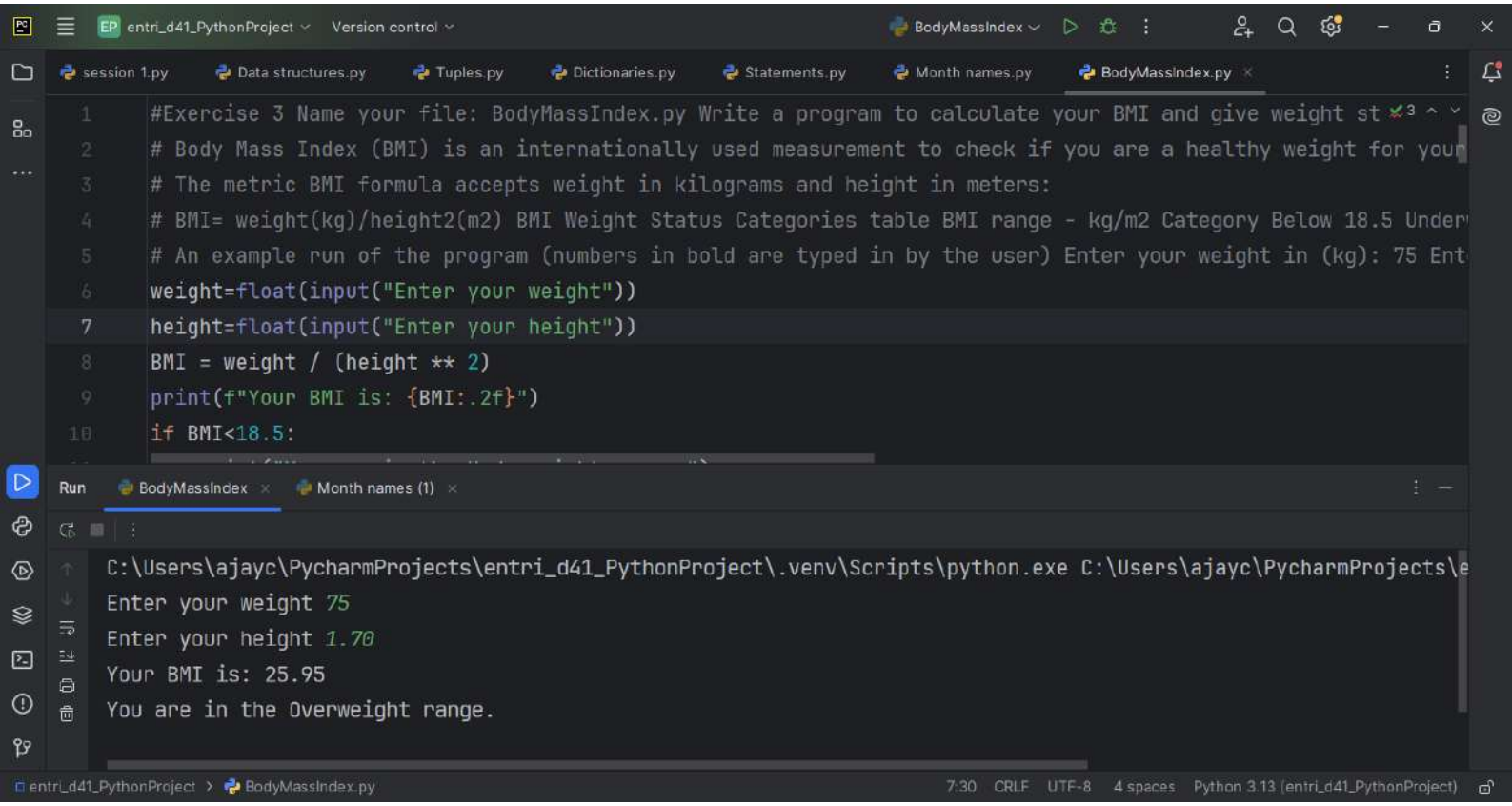
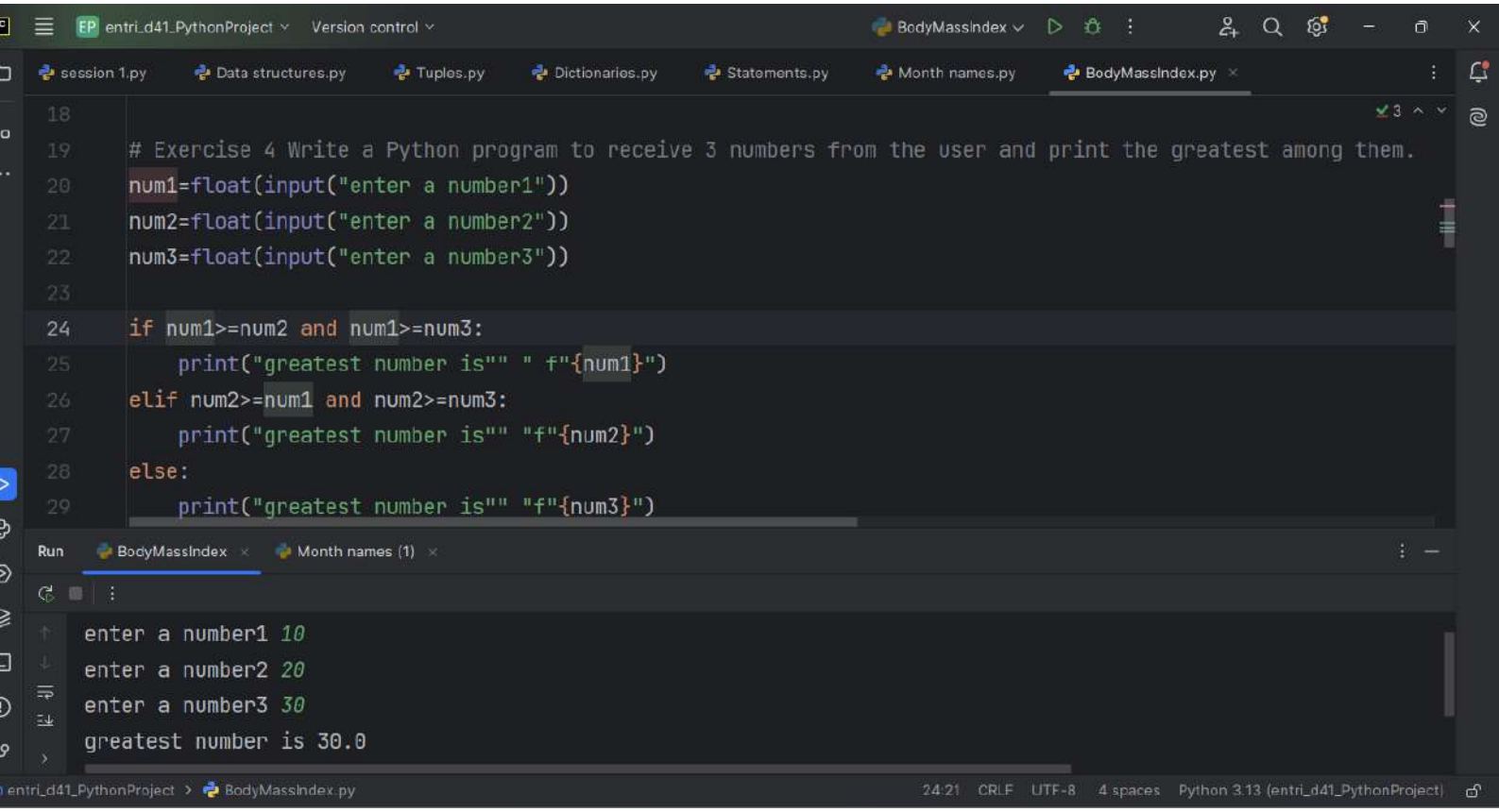
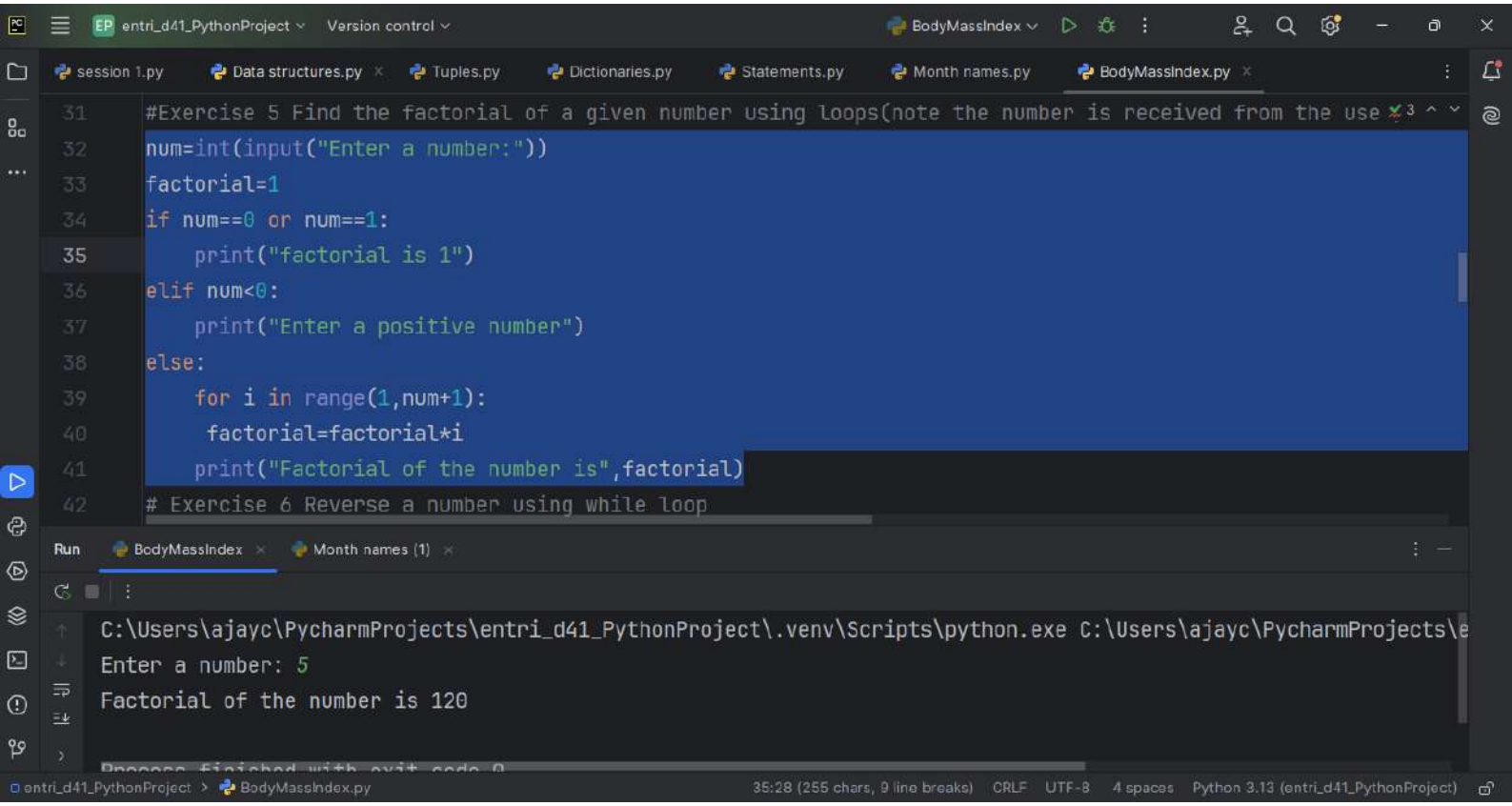
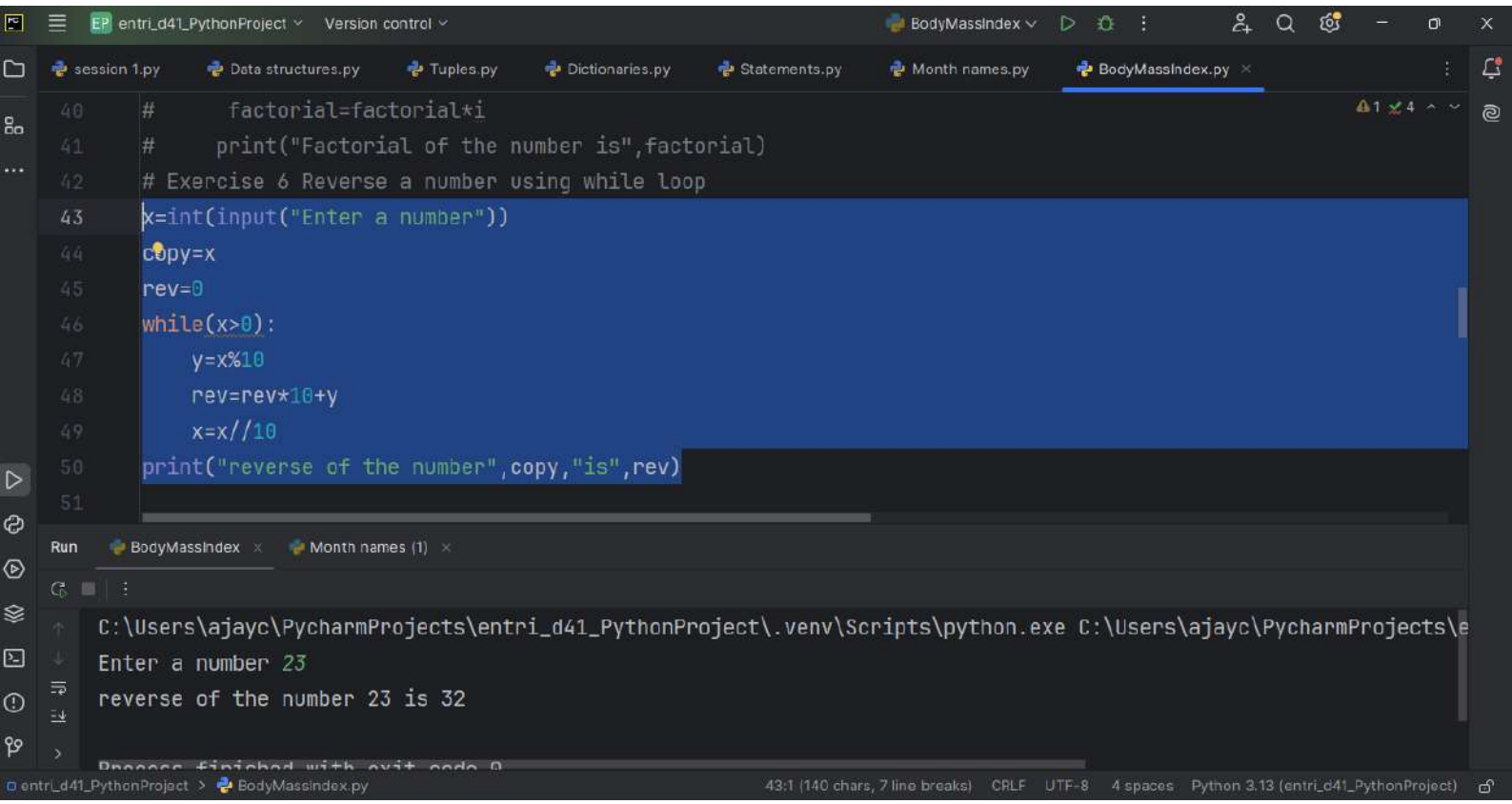

entri_d41_PythonProject
Version control
Month names (1)
Project
Data structures.py
Tuples.py
Dictionaries.py
Statements.py
Month names.py
BodyMassIndex.py
entri_d41_PythonProject
.venv library root
Lib
Scripts
.gitignore
pyvenv.cfg
Assignment 1.py
Assignment 2.py
BodyMassIndex.py
Data structures.py
Day 47.py
Dictionaries.py
Month names.py
PoundsToDollars.py
#Exercise:1 Name your file: MonthNames.py
# Write a program that reads an integer value between 1 and 12 from the user and prints
# An example run of the program (numbers in bold are typed in by the user) Enter the mo
months=("january","february","march","april","may",
"june","july","august","september","october","november","december")
month_number=int(input("enter the month "))
if 1 <=month_number<=12:
print("month",month_number," is " f"{months[month_number - 1]}")
else:
print("Error:please enter a valid number between 1 and 12")
Run
BodyMassIndex
Month names (1)
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe "C:\Users\ajayc\PycharmProjects\
enter the month 3
month 3 is march
Process finished with exit code 0
entri_d41_PythonProject > Month names.py
5:37 (335 chars, 6 line breaks) CRLF UTF-8 4 spaces Python 3.13 (entri_d41_PythonProject)

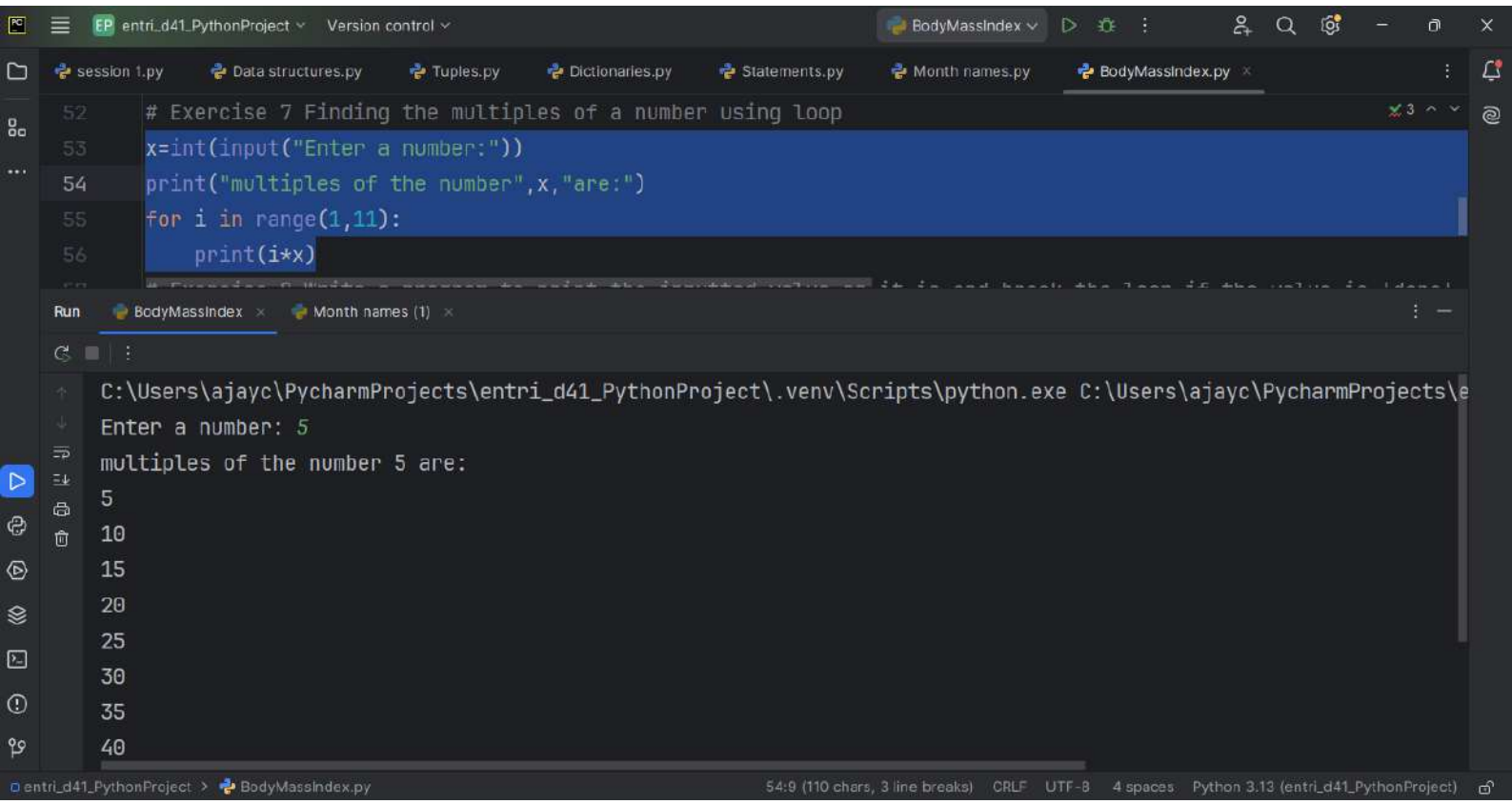

entri_d41_PythonProject
Version control
Month names (1)
Project
Data structures.py
Tuples.py
Dictionaries.py
Statements.py
Month names.py
BodyMassIndex.py
entri_d41_PythonProject
.venv library root
Lib
Scripts
.gitignore
pyvenv.cfg
Assignment 1.py
Assignment 2.py
BodyMassIndex.py
Data structures.py
Day 47.py
Dictionaries.py
Month names.py
PoundsToDollars.py
SCT_DS_3.py
session 1.py
10 # print("Error:please enter a valid number between 1 and 12")
11
12 #Exercise:2 A certain cinema currently sells tickets for a full price of 6 pounds
13 # but always sells tickets for half price to people who are less than 16 years old, and
14 # An example run of the program (numbers in bold are typed in by the user) Enter your ag
15 age=int(input("enter your age"))
16 if age<16:
17 print("Your ticket costs £3.00")
18 elif age>=60:
19 print("Your ticket costs £2.00")
20 else:
21 print("Your ticket costs £6.00")
Run
BodyMassIndex
Month names (1)
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe "C:\Users\ajayc\PycharmProjects\
enter your age 63
Your ticket costs £2.00
entri_d41_PythonProject › Month names.py
22:1 CRLF UTF-8 4 spaces Python 3.13 (entri_d41_PythonProject)

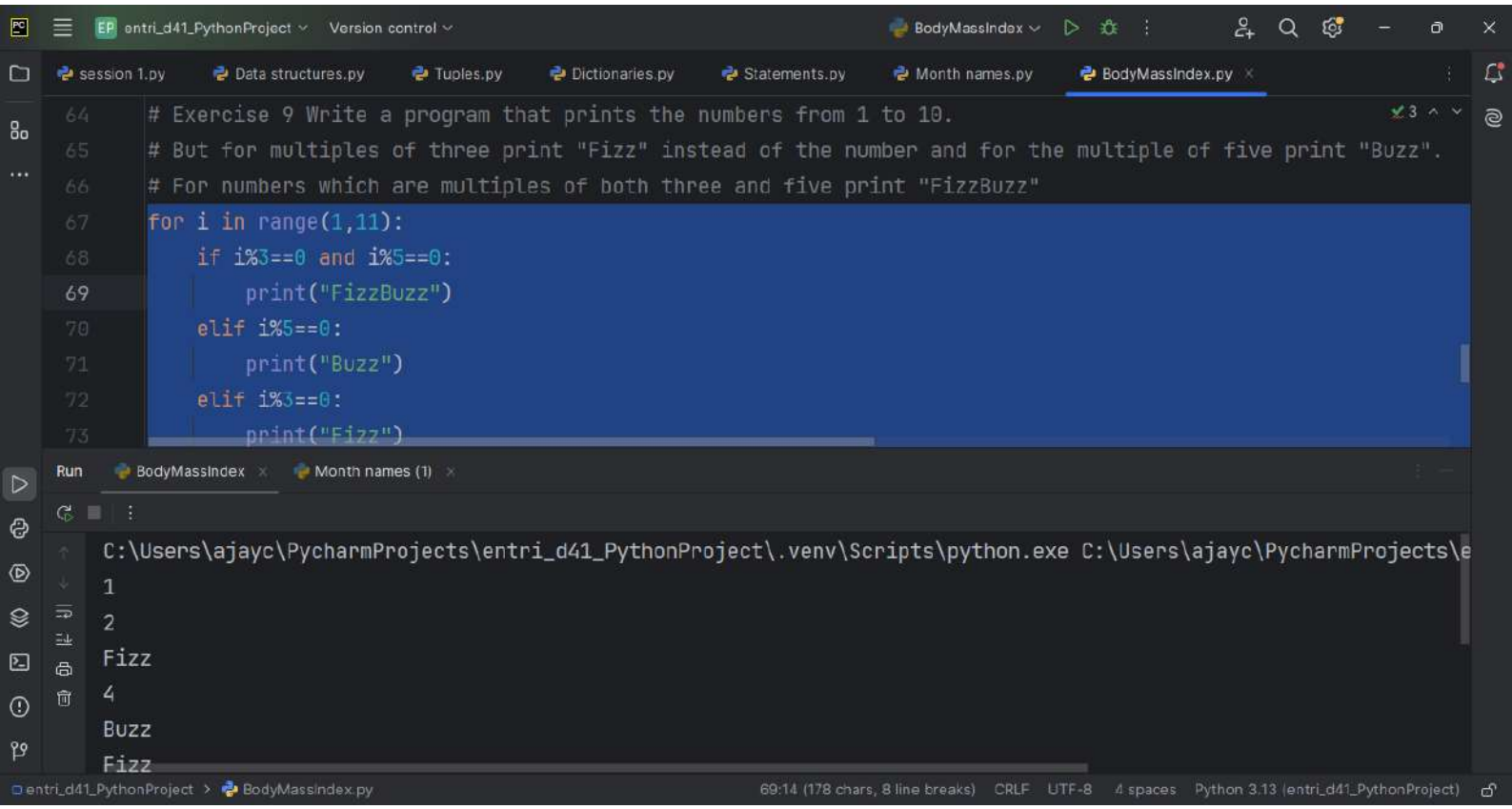

entri_d41_PythonProject
Version control
BodyMassIndex
session 1.py
Data structures.py
Tuples.py
Dictionaries.py
Statements.py
Month names.py
BodyMassIndex.py
#Exercise 3 Name your file: BodyMassIndex.py Write a program to calculate your BMI and give weight st
# Body Mass Index (BMI) is an internationally used measurement to check if you are a healthy weight for your
# 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 Under
# An example run of the program (numbers in bold are typed in by the user) Enter your weight in (kg): 75 Ent
weight=float(input("Enter your weight"))
height=float(input("Enter your height"))
BMI = weight / (height ** 2)
print(f"Your BMI is: {BMI:.2f}")
if BMI<18.5:
Run
BodyMassIndex
Month names (1)
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe C:\Users\ajayc\PycharmProjects\e
Enter your weight 75
Enter your height 1.70
Your BMI is: 25.95
You are in the Overweight range.
entri_d41_PythonProject > BodyMassIndex.py
7:30
CRLF
UTF-8
4 spaces
Python 3.13 (entri_d41_PythonProject)

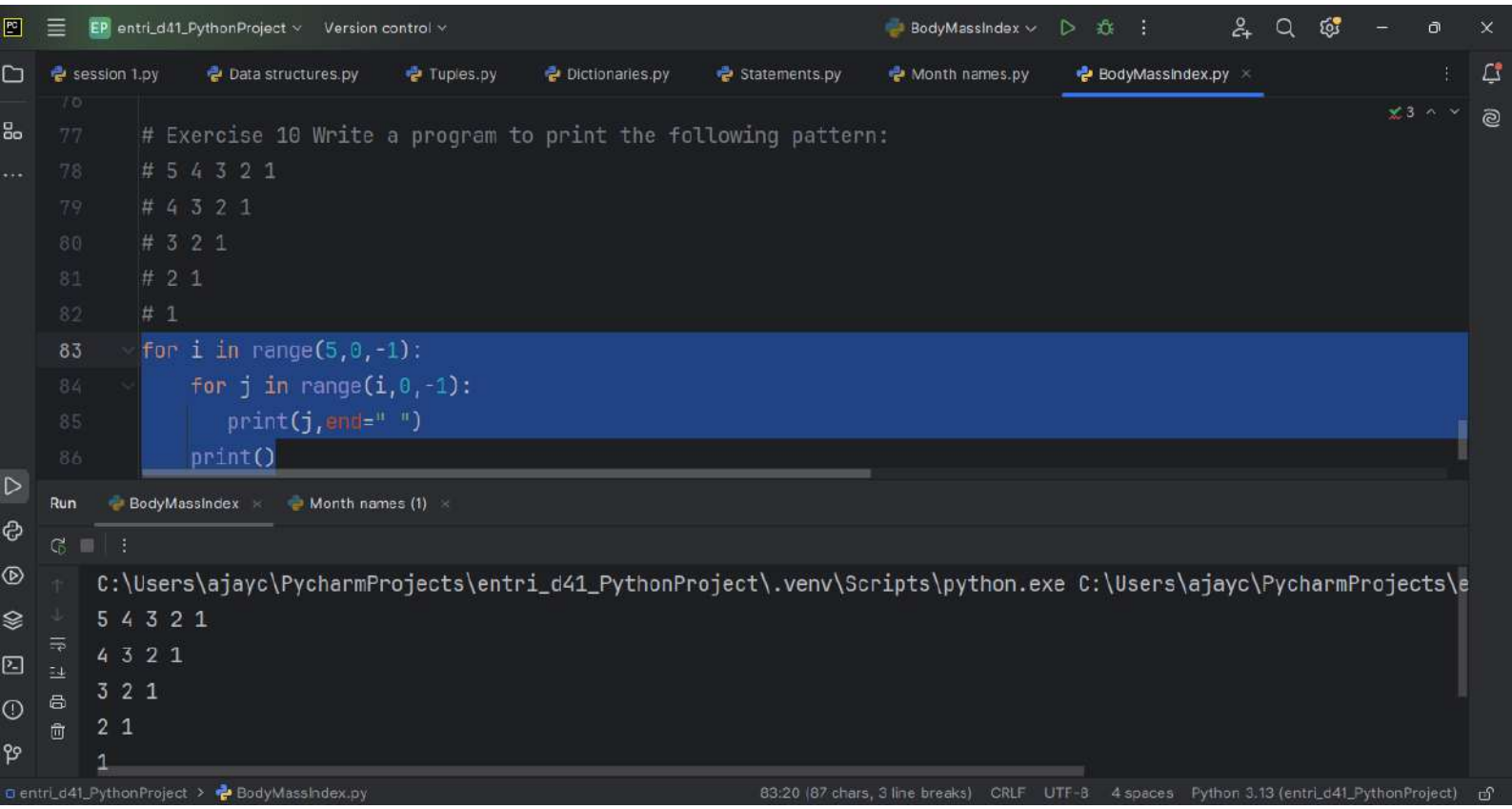

entri_d41_PythonProject
Version control
BodyMassIndex
session 1.py
Data structures.py
Tuples.py
Dictionaries.py
Statements.py
Month names.py
BodyMassIndex.py
# Exercise 4 Write a Python program to receive 3 numbers from the user and print the greatest among them.
num1=float(input("enter a number1"))
num2=float(input("enter a number2"))
num3=float(input("enter a number3"))
if num1>=num2 and num1>=num3:
print("greatest number is"" " f"{num1}")
elif num2>=num1 and num2>=num3:
print("greatest number is"" "f"{num2}")
else:
print("greatest number is"" "f"{num3}")
Run
BodyMassIndex
Month names (1)
enter a number1 10
enter a number2 20
enter a number3 30
greatest number is 30.0
entri_d41_PythonProject
BodyMassIndex.py
24:21
CRLF
UTF-8
4 spaces
Python 3.13 (entri_d41_PythonProject)

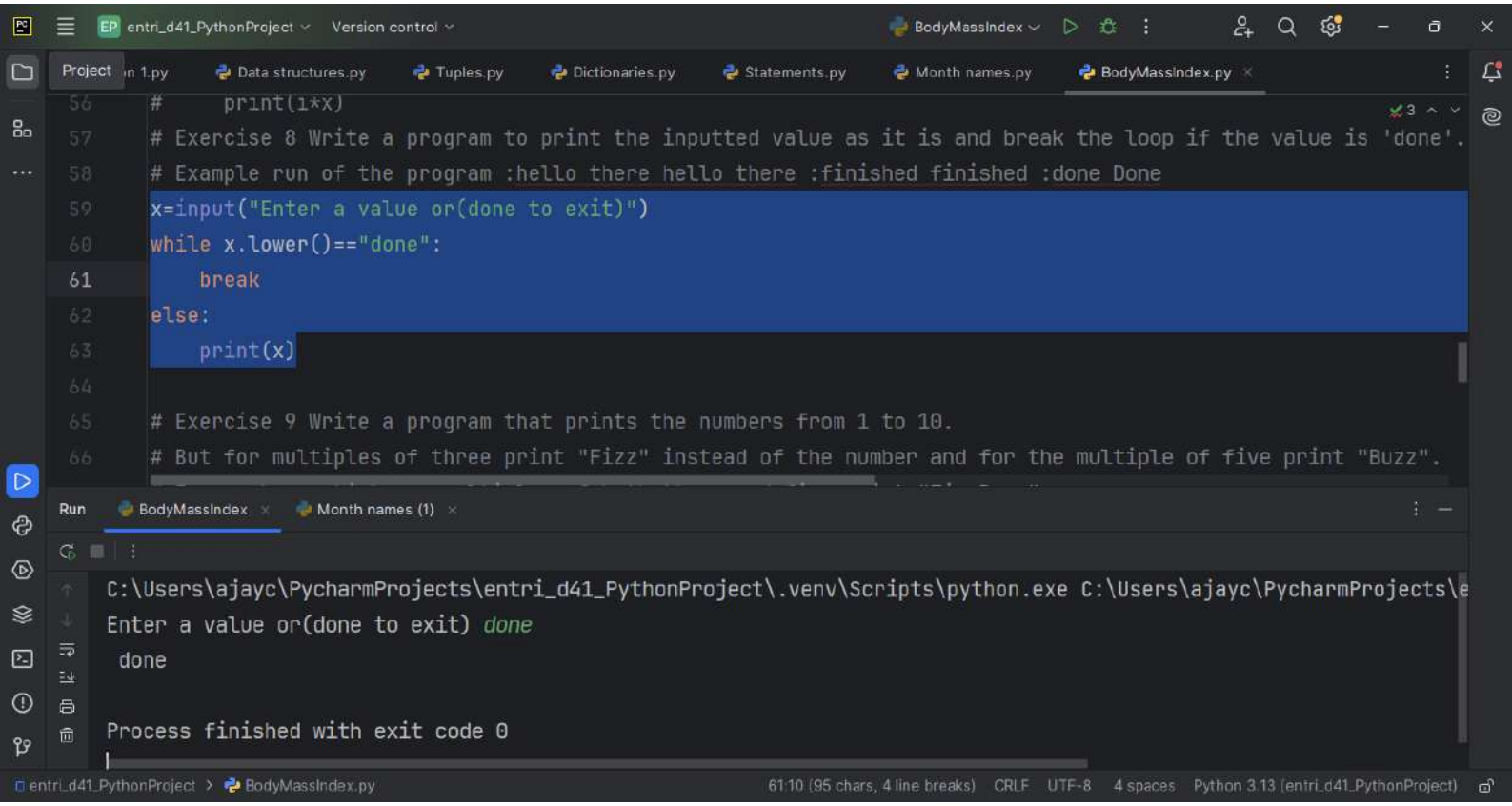

entri_d41_PythonProject
Version control
BodyMassIndex
session 1.py
Data structures.py
Tuples.py
Dictionaries.py
Statements.py
Month names.py
BodyMassIndex.py
#Exercise 5 Find the factorial of a given number using loops(note the number is received from the use
num=int(input("Enter a number:"))
factorial=1
if num==0 or num==1:
print("factorial is 1")
elif num<0:
print("Enter a positive number")
else:
for i in range(1,num+1):
factorial=factorial*i
print("Factorial of the number is",factorial)
# Exercise 6 Reverse a number using while loop
Run
BodyMassIndex
Month names (1)
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe C:\Users\ajayc\PycharmProjects\e
Enter a number: 5
Factorial of the number is 120
entri_d41_PythonProject > BodyMassIndex.py
35:28 (255 chars, 9 line breaks)
CRLF
UTF-8
4 spaces
Python 3.13 (entri_d41_PythonProject)


entri_d41_PythonProject
Version control
BodyMassIndex
session 1.py
Data structures.py
Tuples.py
Dictionaries.py
Statements.py
Month names.py
BodyMassIndex.py
# factorial=factorial*i
# print("Factorial of the number is",factorial)
# Exercise 6 Reverse a number using while loop
x=int(input("Enter a number"))
copy=x
rev=0
while(x>0):
    y=x%10
    rev=rev*10+y
    x=x//10
print("reverse of the number",copy,"is",rev)
Run
BodyMassIndex
Month names (1)
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe C:\Users\ajayc\PycharmProjects\e
Enter a number 23
reverse of the number 23 is 32
entri_d41_PythonProject > BodyMassIndex.py
43:1 (140 chars, 7 line breaks)
CRLF
UTF-8
4 spaces
Python 3.13 (entri_d41_PythonProject)


entri_d41_PythonProject
Version control
BodyMassIndex
session 1.py
Data structures.py
Tuples.py
Dictionaries.py
Statements.py
Month names.py
BodyMassIndex.py
# Exercise 7 Finding the multiples of a number using loop
x=int(input("Enter a number:"))
print("multiples of the number",x,"are:")
for i in range(1,11):
print(i*x)
Run
BodyMassIndex
Month names (1)
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe C:\Users\ajayc\PycharmProjects\e
Enter a number: 5
multiples of the number 5 are:
5
10
15
20
25
30
35
40
entri_d41_PythonProject > BodyMassIndex.py
54:9 (110 chars, 3 line breaks)
CRLF
UTF-8
4 spaces
Python 3.13 (entri_d41_PythonProject)


entri_d41_PythonProject
Version control
BodyMassIndex
session 1.py
Data structures.py
Tuples.py
Dictionaries.py
Statements.py
Month names.py
BodyMassIndex.py
# 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"
for i in range(1,11):
if i%3==0 and i%5==0:
print("FizzBuzz")
elif i%5==0:
print("Buzz")
elif i%3==0:
print("Fizz")
Run
BodyMassIndex
Month names (1)
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe C:\Users\ajayc\PycharmProjects\e
1
2
Fizz
4
Buzz
Fizz
entri_d41_PythonProject > BodyMassIndex.py
69:14 (178 chars, 8 line breaks)
CRLF
UTF-8
4 spaces
Python 3.13 (entri_d41_PythonProject)


entri_d41_PythonProject
Version control
BodyMassIndex
session 1.py
Data structures.py
Tuples.py
Dictionaries.py
Statements.py
Month names.py
BodyMassIndex.py
# 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
for i in range(5,0,-1):
for j in range(i,0,-1):
print(j,end=" ")
print()
Run
BodyMassIndex
Month names (1)
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe C:\Users\ajayc\PycharmProjects\e
5 4 3 2 1
4 3 2 1
3 2 1
2 1
1
entri_d41_PythonProject > BodyMassIndex.py
83:20 (87 chars, 3 line breaks)
CRLF
UTF-8
4 spaces
Python 3.13 (entri_d41_PythonProject)


entri_d41_PythonProject
Version control
BodyMassIndex
Project
Data structures.py
Tuples.py
Dictionaries.py
Statements.py
Month names.py
BodyMassIndex.py
#   print(1*x)
# 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
x=input("Enter a value or(done to exit)")
while x.lower()=="done":
    break
else:
    print(x)
# 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".
Run
BodyMassIndex
Month names (1)
C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe C:\Users\ajayc\PycharmProjects\e
Enter a value or(done to exit) done
done
Process finished with exit code 0
entri_d41_PythonProject > BodyMassIndex.py
61:10 (95 chars, 4 line breaks)
CRLF
UTF-8
4 spaces
Python 3.13 (entri_d41_PythonProject)