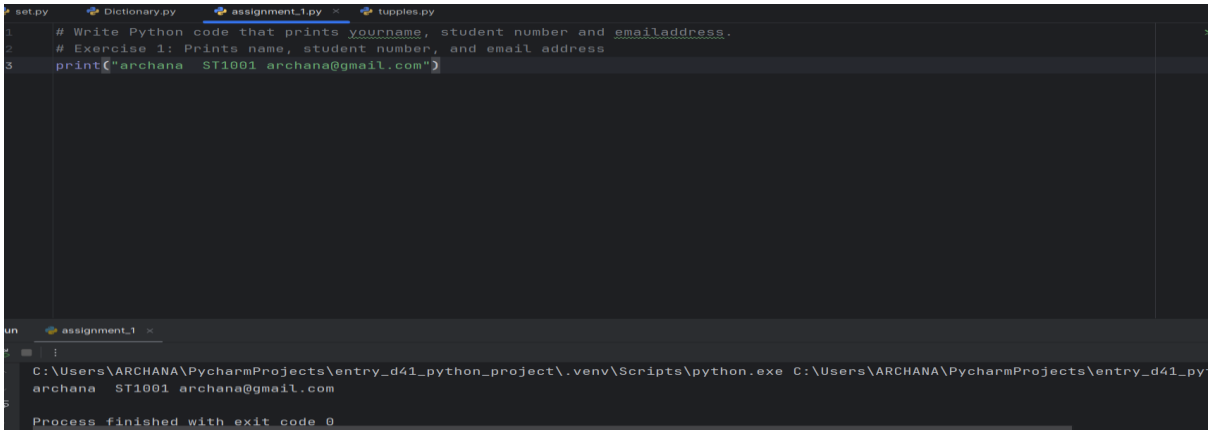
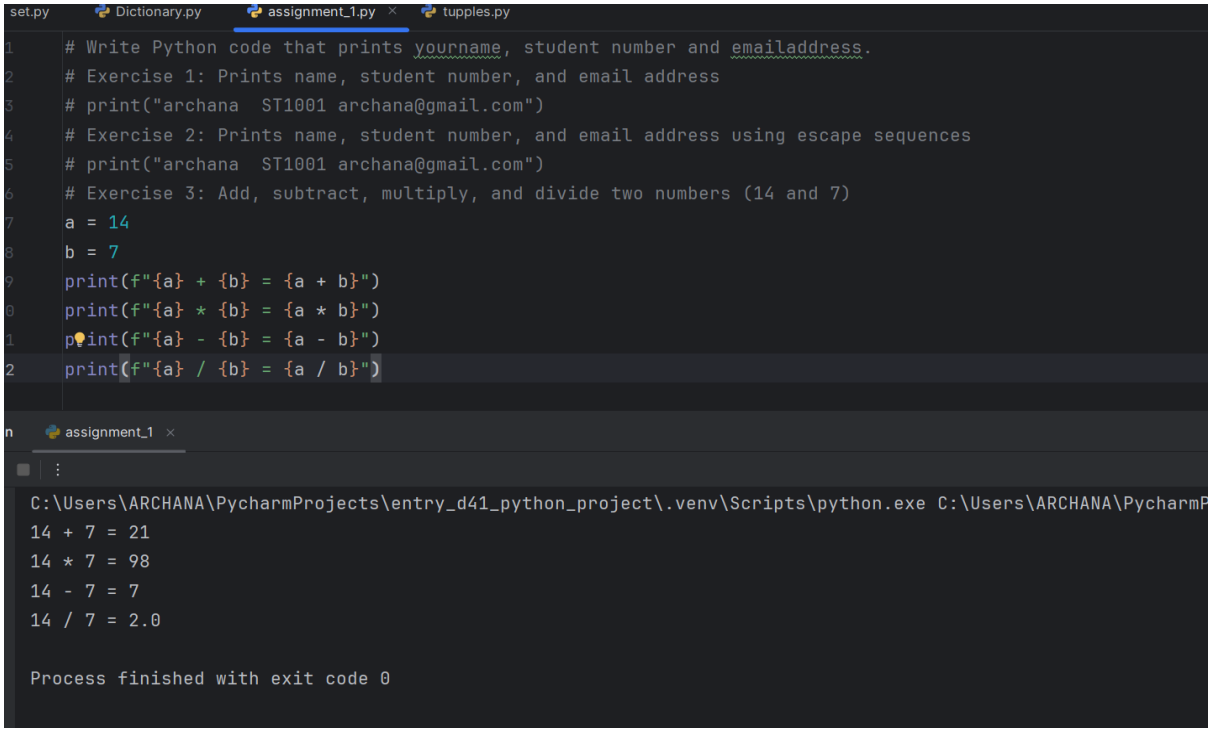
ASSIGNMENT 1_PYTHON

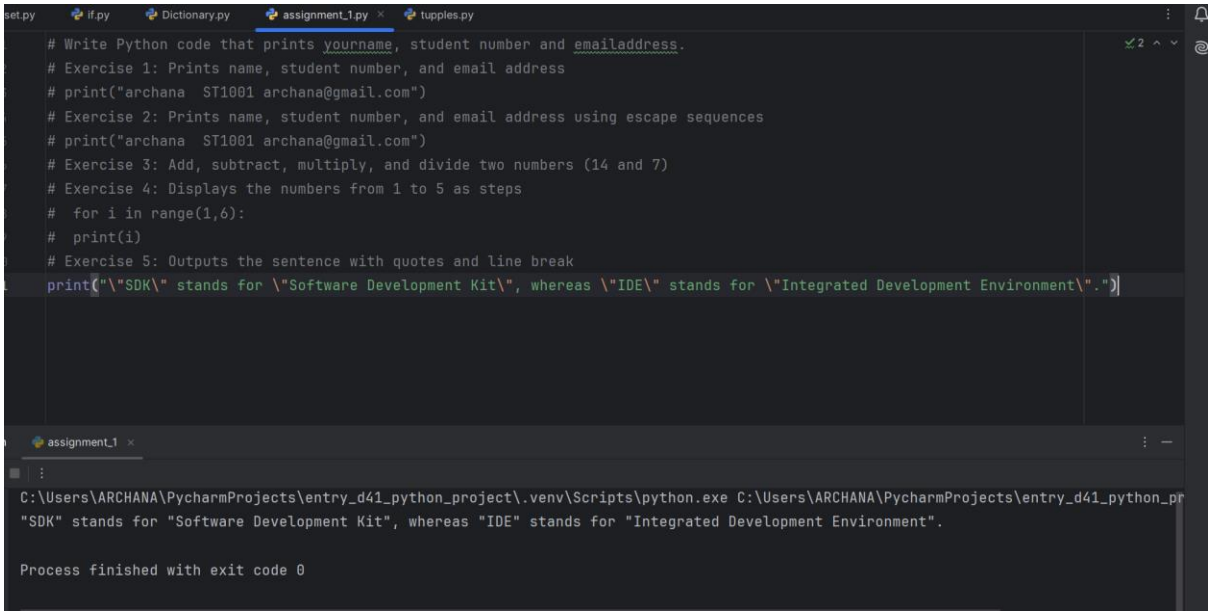
1.



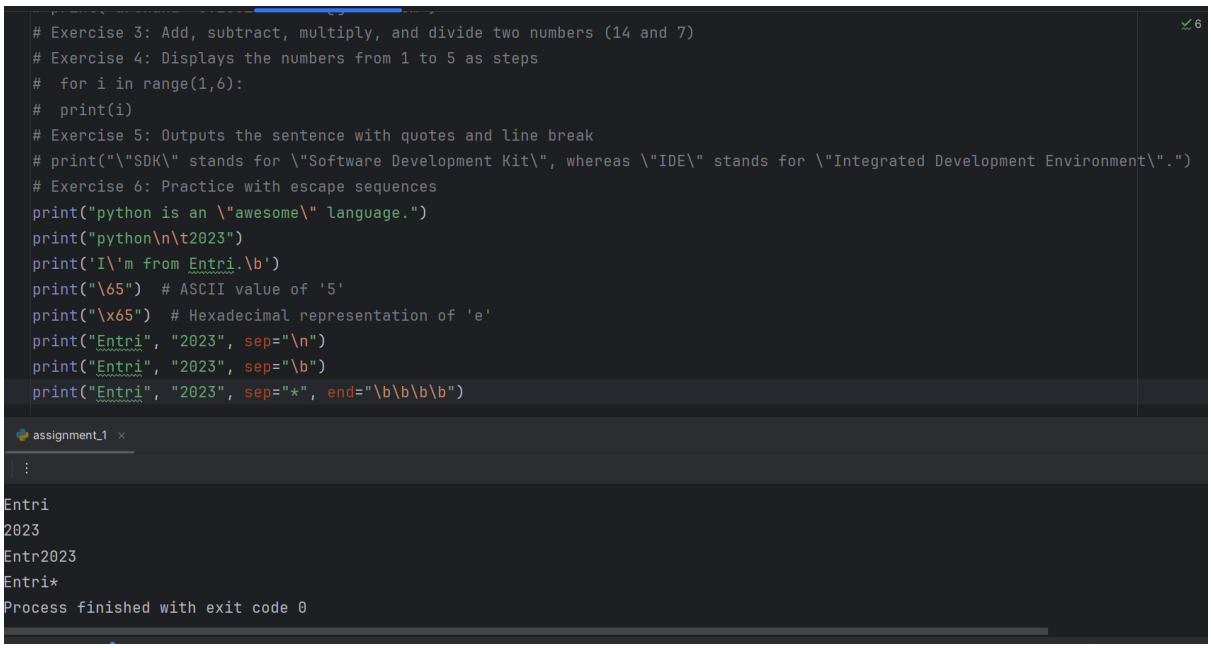
2.



3.


set.py
if.py
Dictionary.py
assignment_1.py
tupples.py
# Write Python code that prints yourname, student number and emailaddress.
# Exercise 1: Prints name, student number, and email address
# print("archana ST1001 archana@gmail.com")
# Exercise 2: Prints name, student number, and email address using escape sequences
# print("archana ST1001 archana@gmail.com")
# Exercise 3: Add, subtract, multiply, and divide two numbers (14 and 7)
# Exercise 4: Displays the numbers from 1 to 5 as steps
# for i in range(1,6):
# print(i)
# Exercise 5: Outputs the sentence with quotes and line break
print("\"SDK\" stands for \"Software Development Kit\", whereas \"IDE\" stands for \"Integrated Development Environment\".")
assignment_1
C:\Users\ARCHANA\PycharmProjects\entry_d41_python_project\.venv\Scripts\python.exe C:\Users\ARCHANA\PycharmProjects\entry_d41_python_pr
"SDK" stands for "Software Development Kit", whereas "IDE" stands for "Integrated Development Environment".
Process finished with exit code 0

4.


# Exercise 3: Add, subtract, multiply, and divide two numbers (14 and 7)
# Exercise 4: Displays the numbers from 1 to 5 as steps
# for i in range(1,6):
# print(i)
# Exercise 5: Outputs the sentence with quotes and line break
# print("\"SDK\" stands for \"Software Development Kit\", whereas \"IDE\" stands for \"Integrated Development Environment\".")
# Exercise 6: Practice with escape sequences
print("python is an \"awesome\" language.")
print("python\n\t2023")
print('I\'m from Entri.\b')
print("\65") # ASCII value of '5'
print("\x65") # Hexadecimal representation of 'e'
print("Entri", "2023", sep="\n")
print("Entri", "2023", sep="\b")
print("Entri", "2023", sep="*", end="\b\b\b\b")
assignment_1
Entri
2023
Entr2023
Entri*
Process finished with exit code 0

5.

```
# Print types of variables
print(type(num))
print(type(textnum))
print(type(decimal))

# Calculate sum (converting textnum to integer)
total_sum = num + int(textnum) + decimal
print(f"Sum: {total_sum}")
print(f"Datatype of the sum: {type(total_sum)}")
```

assignment_1

```
C:\Users\ARCHANA\PycharmProjects\entry_d41_python_project\.venv\Scripts\python.exe C:\Users\ARCHANA\PycharmProject
<class 'int'>
<class 'str'>
<class 'float'>
Sum: 178.3
Datatype of the sum: <class 'float'>

Process finished with exit code 0
```

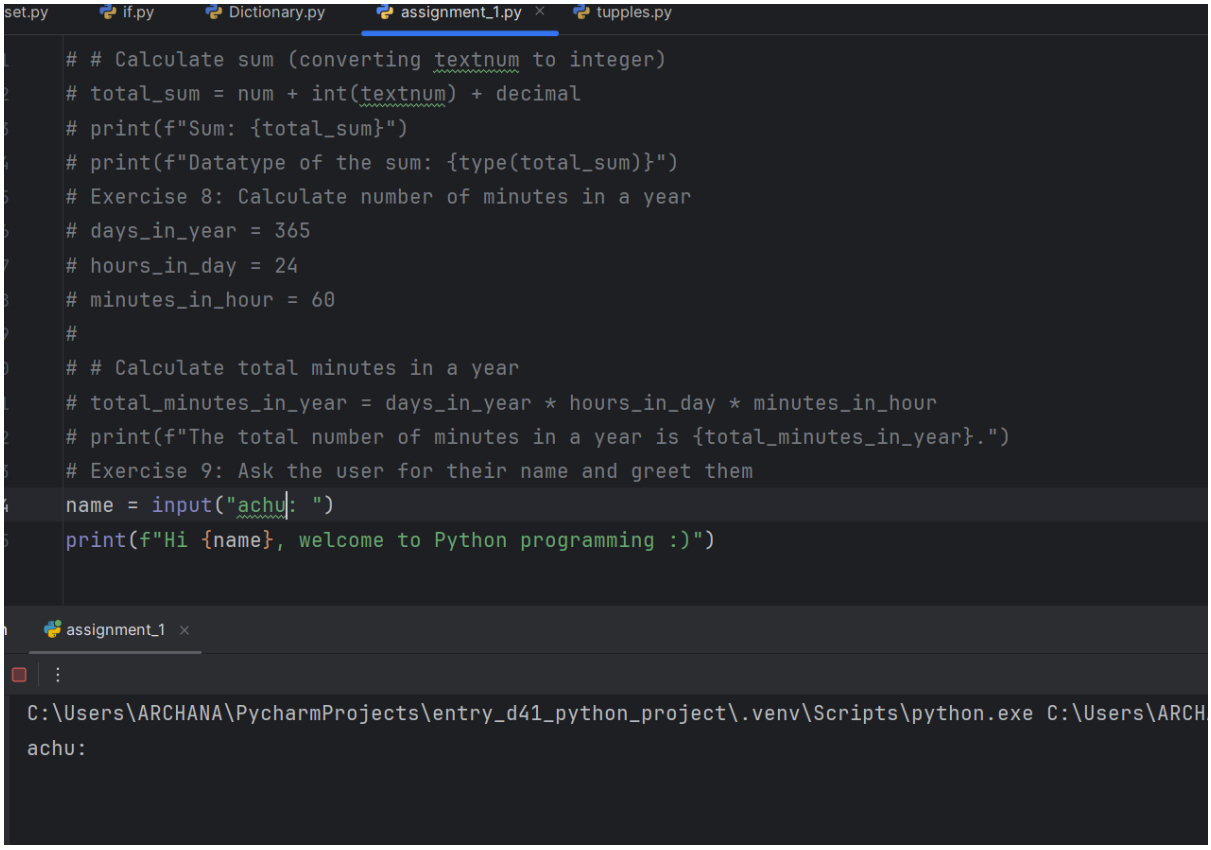
6.

```
# print(f"Sum: {total_sum}")
# print(f"Datatype of the sum: {type(total_sum)}")
# Exercise 8: Calculate number of minutes in a year
days_in_year = 365
hours_in_day = 24
minutes_in_hour = 60

# Calculate total minutes in a year
total_minutes_in_year = days_in_year * hours_in_day * minutes_in_hour
print(f"The total number of minutes in a year is {total_minutes_in_year}.")
```

assignment_1

```
Users\ARCHANA\PycharmProjects\entry_d41_python_project\.venv\Scripts\python.exe C:\Users\ARCHANA\
 total number of minutes in a year is 525600.

cess finished with exit code 0
```

7.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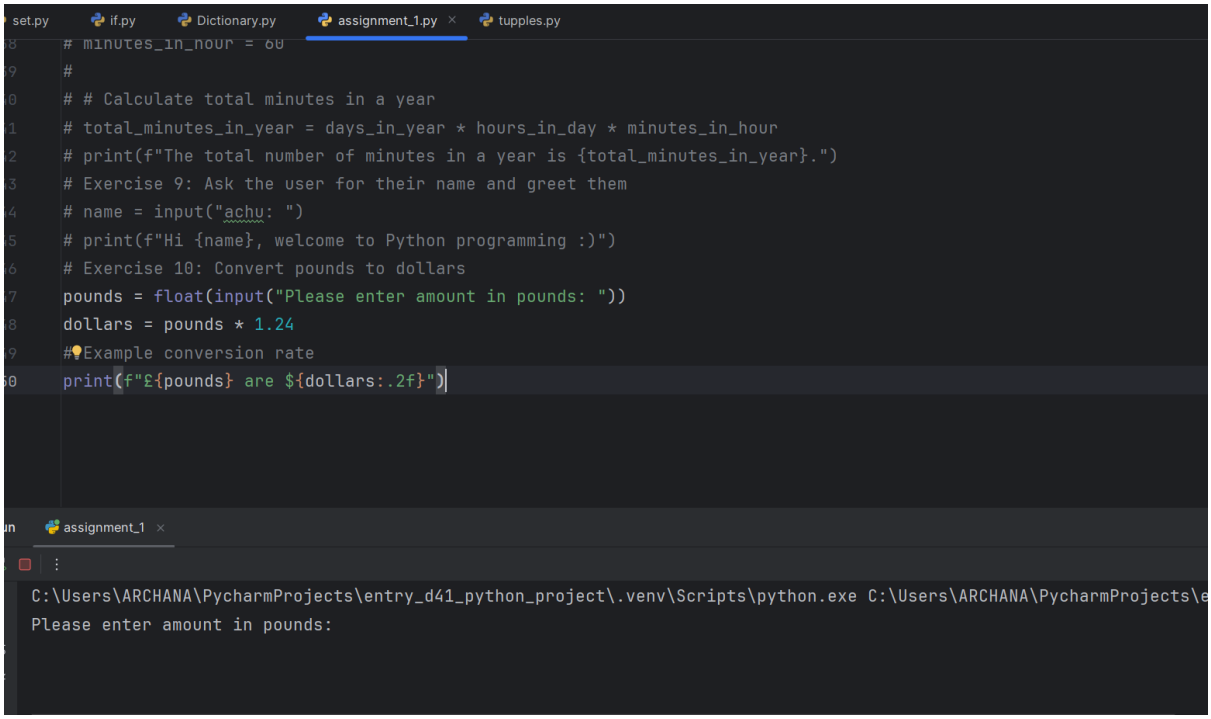
Calculate sum (converting textnum to integer)
total_sum = num + int(textnum) + decimal
print(f"Sum: {total_sum}")
print(f"Datatype of the sum: {type(total_sum)}")
Exercise 8: Calculate number of minutes in a year
days_in_year = 365
hours_in_day = 24
minutes_in_hour = 60
#
# # Calculate total minutes in a year
# total_minutes_in_year = days_in_year * hours_in_day * minutes_in_hour
# print(f"The total number of minutes in a year is {total_minutes_in_year}.")
# Exercise 9: Ask the user for their name and greet them
name = input("achu: ")
print(f"Hi {name}, welcome to Python programming :)")
assignment_1
C:\Users\ARCHANA\PycharmProjects\entry_d41_python_project\.venv\Scripts\python.exe C:\Users\ARCH
achu:

8.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minutes_in_hour = 60
#
# # Calculate total minutes in a year
# total_minutes_in_year = days_in_year * hours_in_day * minutes_in_hour
# print(f"The total number of minutes in a year is {total_minutes_in_year}.")
# Exercise 9: Ask the user for their name and greet them
# name = input("achu: ")
# print(f"Hi {name}, welcome to Python programming :)")
# Exercise 10: Convert pounds to dollars
pounds = float(input("Please enter amount in pounds: "))
dollars = pounds * 1.24
#Example conversion rate
print(f"£{pounds} are ${dollars:.2f}")
assignment_1
C:\Users\ARCHANA\PycharmProjects\entry_d41_python_project\.venv\Scripts\python.exe C:\Users\ARCHANA\PycharmProjects\e
Please enter amount in pounds: