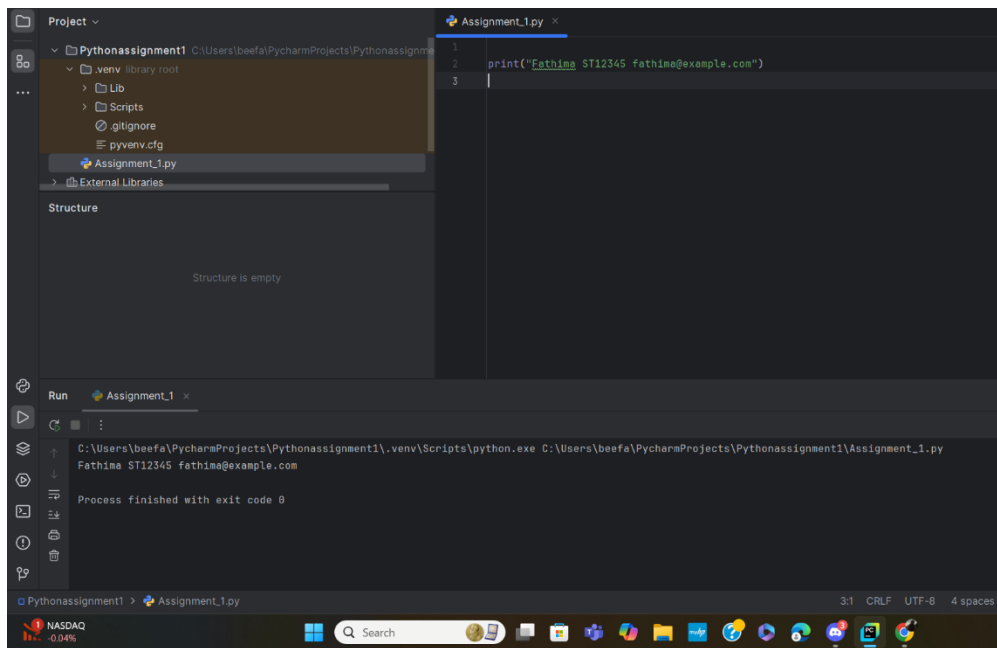


Exercise 1



```
1 print('Fathima ST12345 fathima@example.com')
```

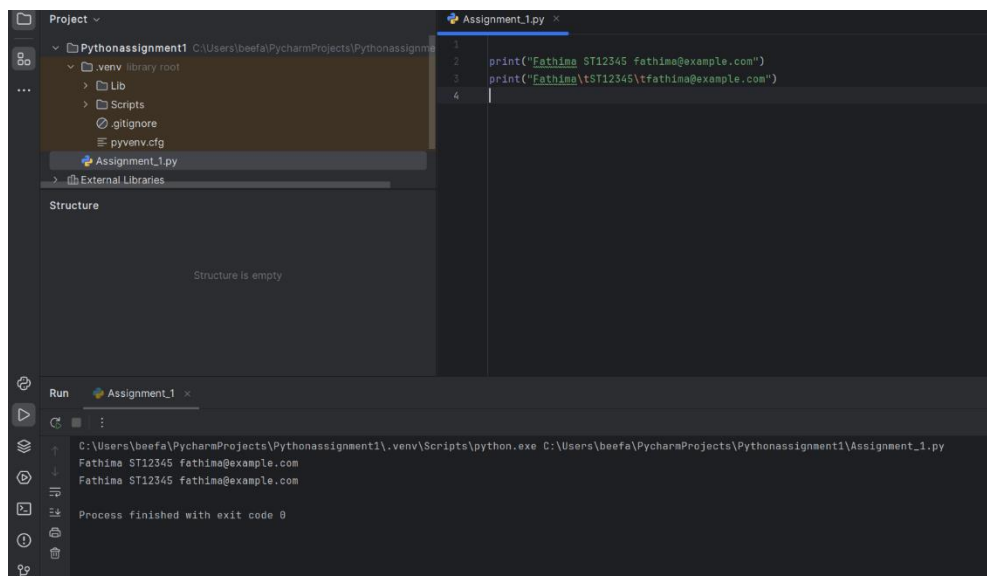
Run Assignment_1

C:\Users\beefa\PycharmProjects\Pythonassignment1\.venv\Scripts\python.exe C:\Users\beefa\PycharmProjects\Pythonassignment1\Assignment_1.py

Fathima ST12345 fathima@example.com

Process finished with exit code 0

Exercise 2



```
1 print('Fathima ST12345 fathima@example.com')
2
3 print('Fathima\tST12345\tfathima@example.com')
4
```

Run Assignment_1

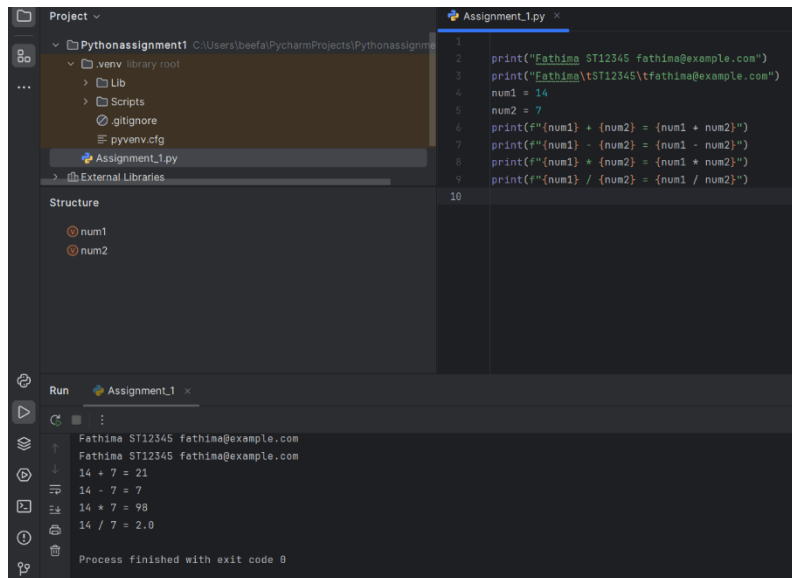
C:\Users\beefa\PycharmProjects\Pythonassignment1\.venv\Scripts\python.exe C:\Users\beefa\PycharmProjects\Pythonassignment1\Assignment_1.py

Fathima ST12345 fathima@example.com

Fathima ST12345 fathima@example.com

Process finished with exit code 0

Exercise 3



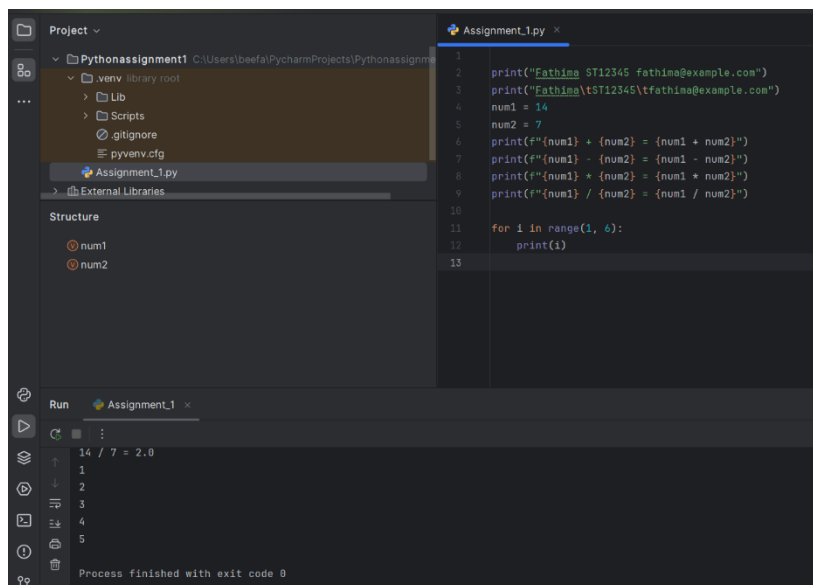
The screenshot shows the PyCharm IDE with a project named 'Pythonassignment1'. The file explorer on the left shows the project structure, including a 'venv' directory and a file named 'Assignment_1.py'. The 'Structure' pane shows two variables, 'num1' and 'num2'. The main editor displays the following Python code:

```
1
2 print("Fathima ST12345 fathima@example.com")
3 print("Fathima\\tST12345\\tfathima@example.com")
4 num1 = 14
5 num2 = 7
6 print(f"{num1} + {num2} = {num1 + num2}")
7 print(f"{num1} - {num2} = {num1 - num2}")
8 print(f"{num1} * {num2} = {num1 * num2}")
9 print(f"{num1} / {num2} = {num1 / num2}")
10
```

The 'Run' pane at the bottom shows the output of the code:

```
Fathima ST12345 fathima@example.com
Fathima ST12345 fathima@example.com
14 + 7 = 21
14 - 7 = 7
14 * 7 = 98
14 / 7 = 2.0
Process finished with exit code 0
```

Exercise 4



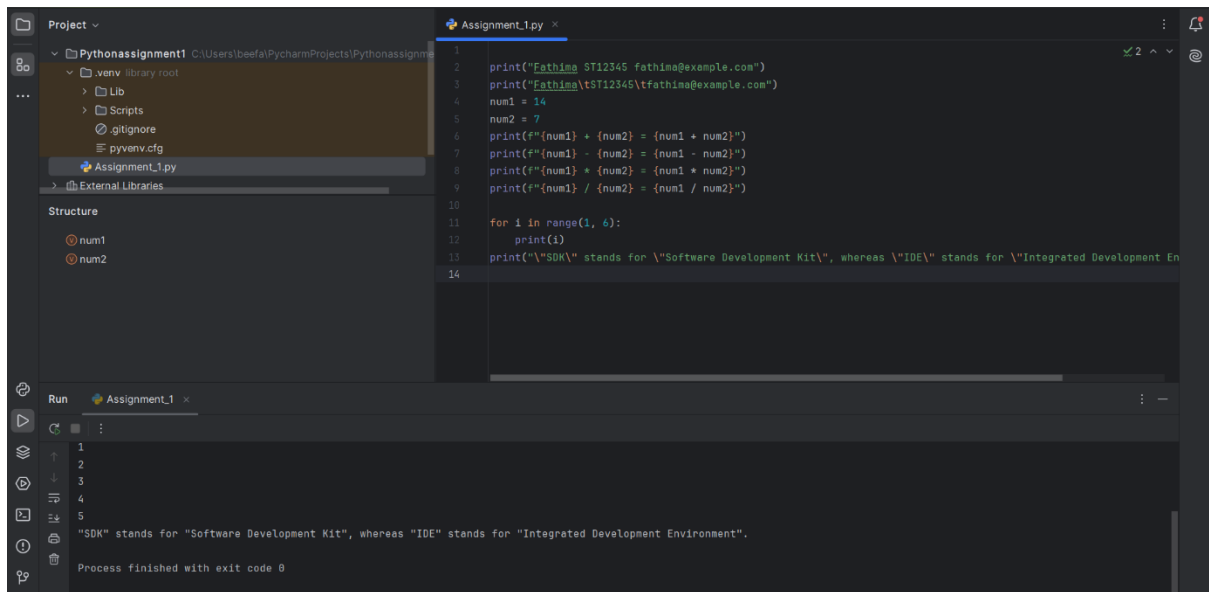
The screenshot shows the PyCharm IDE with the same project and file structure as Exercise 3. The main editor displays the following Python code:

```
1 print("Fathima ST12345 fathima@example.com")
2 print("Fathima\\tST12345\\tfathima@example.com")
3 num1 = 14
4 num2 = 7
5 print(f"{num1} + {num2} = {num1 + num2}")
6 print(f"{num1} - {num2} = {num1 - num2}")
7 print(f"{num1} * {num2} = {num1 * num2}")
8 print(f"{num1} / {num2} = {num1 / num2}")
9
10
11 for i in range(1, 6):
12     print(i)
13
```

The 'Run' pane at the bottom shows the output of the code:

```
14 / 7 = 2.0
1
2
3
4
5
Process finished with exit code 0
```

Exercise 5



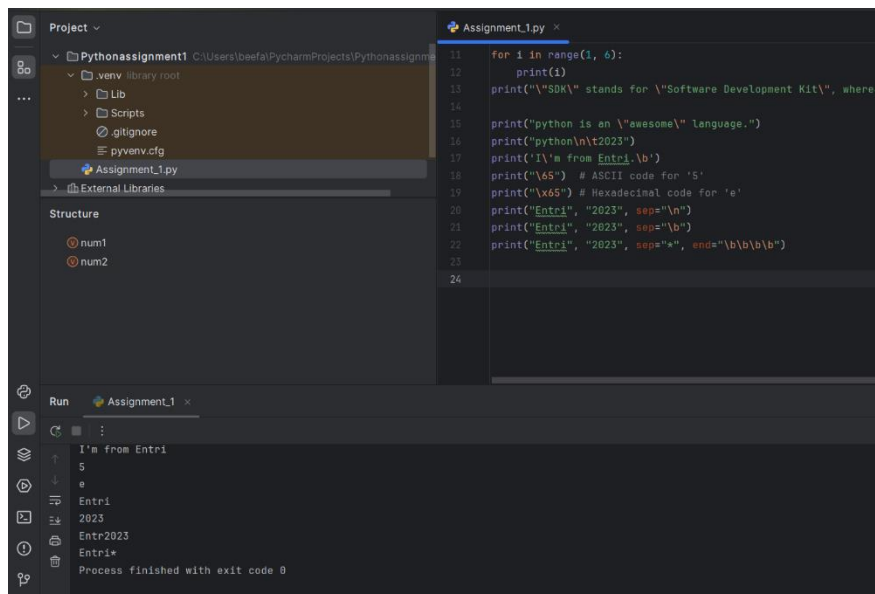
The screenshot shows the PyCharm IDE with a project named 'Pythonassignment1'. The file 'Assignment_1.py' is open, containing the following Python code:

```
1 print("Fathima ST12345 fathima@example.com")
2 print("Fathima\st12345\tfathima@example.com")
3 num1 = 14
4 num2 = 7
5
6 print(f"{num1} + {num2} = {num1 + num2}")
7 print(f"{num1} - {num2} = {num1 - num2}")
8 print(f"{num1} * {num2} = {num1 * num2}")
9 print(f"{num1} / {num2} = {num1 / num2}")
10
11 for i in range(1, 6):
12     print(i)
13     print(f"\\"SDK\\" stands for \\"Software Development Kit\\", whereas \\"IDE\\" stands for \\"Integrated Development En")
14
```

The Run window shows the output of the program:

```
1
2
3
4
5
"SDK" stands for "Software Development Kit", whereas "IDE" stands for "Integrated Development Environment".
Process finished with exit code 0
```

Exercise 6



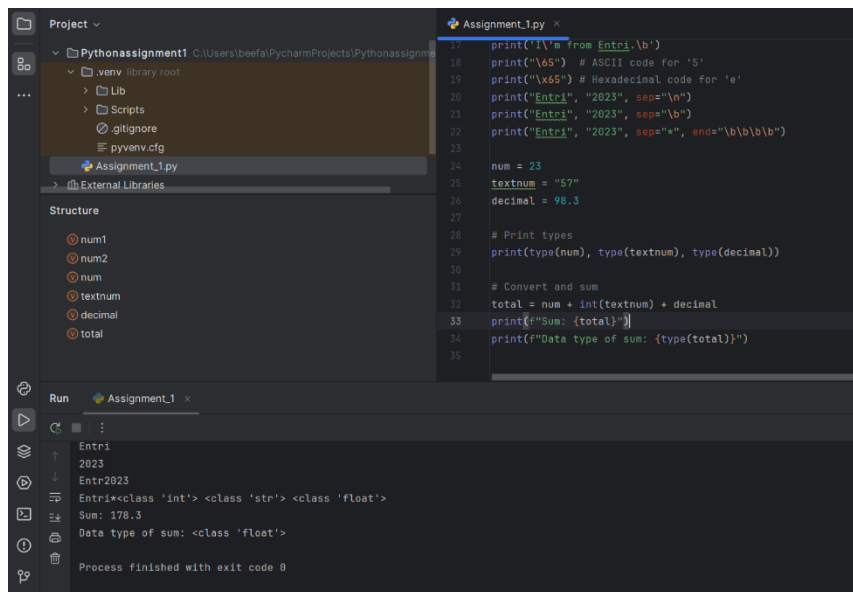
The screenshot shows the PyCharm IDE with the same project 'Pythonassignment1'. The file 'Assignment_1.py' is open, containing the following Python code:

```
11 for i in range(1, 6):
12     print(i)
13     print(f"\\"SDK\\" stands for \\"Software Development Kit\\", whereas")
14
15 print("python is an \"awesome\" language.")
16 print("python\n\t2023")
17 print('I\'m from Entr1\b')
18 print("\x65") # ASCII code for '5'
19 print("\x65") # Hexadecimal code for 'e'
20 print("Entr1", "2023", sep="\n")
21 print("Entr1", "2023", sep="\b")
22 print("Entr1", "2023", sep="a", end="\b\b\b\b")
23
24
```

The Run window shows the output of the program:

```
I'm from Entr1
5
e
Entr1
2023
Entr2023
Entr1*
Process finished with exit code 0
```

Exercise 7



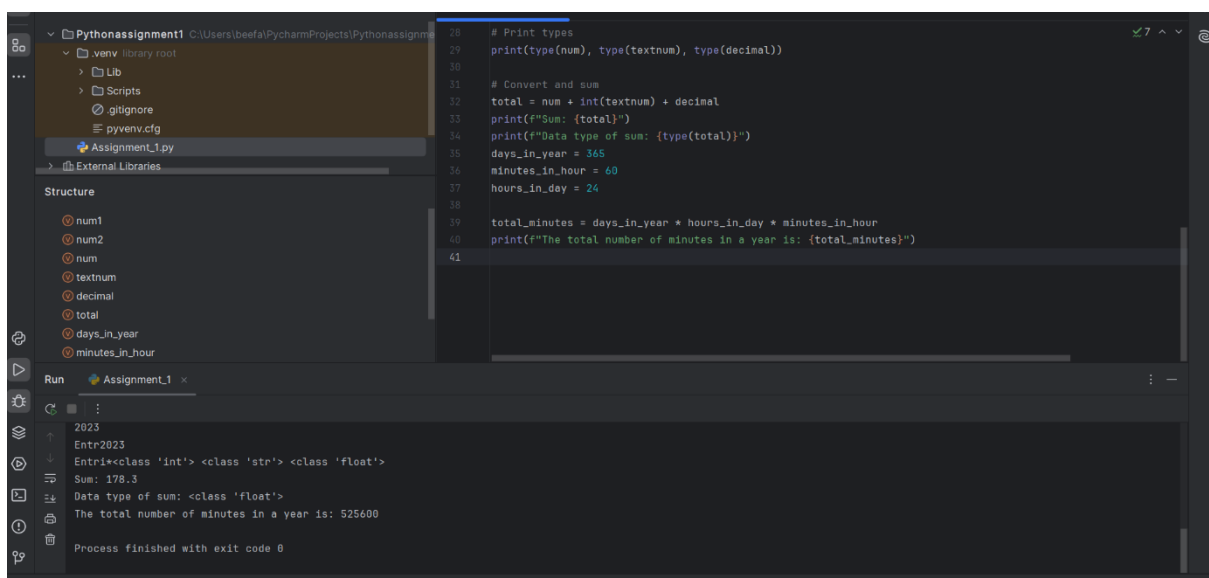
The screenshot shows the PyCharm IDE with a project named 'Pythonassignment1'. The file 'Assignment_1.py' is open, displaying the following code:

```
17 print("\n'm from Entr1.\b'")
18 print("\b5") # ASCII code for '5'
19 print("\x65") # Hexadecimal code for 'e'
20 print("Entr1", "2023", sep="\n")
21 print("Entr1", "2023", sep="\b")
22 print("Entr1", "2023", sep="x", end="\b\b\b\b")
23
24 num = 23
25 textnum = "57"
26 decimal = 98.3
27
28 # Print types
29 print(type(num), type(textnum), type(decimal))
30
31 # Convert and sum
32 total = num + int(textnum) + decimal
33 print(f"Sum: {total}")
34 print(f"Data type of sum: {type(total)}")
35
```

The Run window shows the output of the program:

```
Entr1
2023
Entr2023
Entr1<class 'int'> <class 'str'> <class 'float'>
Sum: 178.3
Data type of sum: <class 'float'>
Process finished with exit code 0
```

Exercise 8



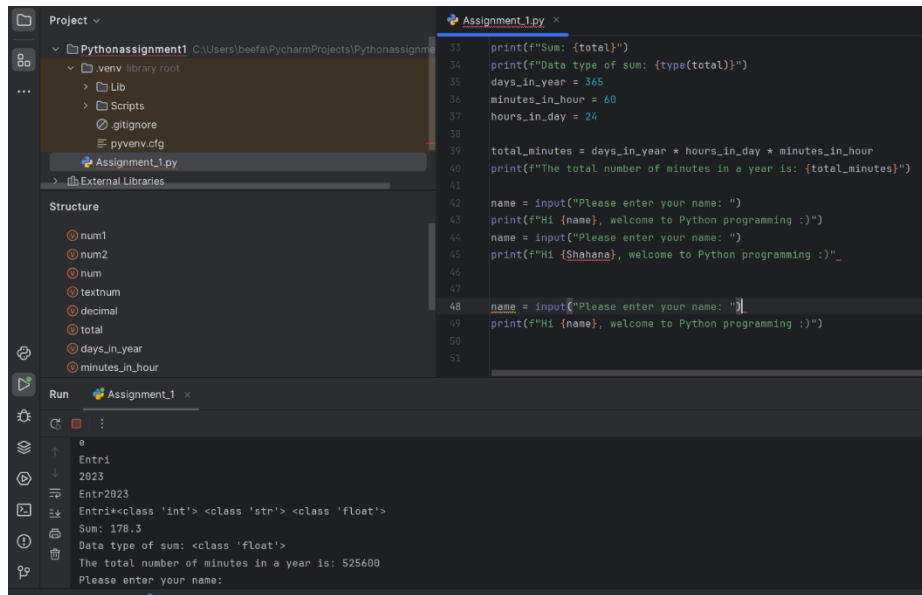
The screenshot shows the PyCharm IDE with the same project 'Pythonassignment1'. The file 'Assignment_1.py' is open, displaying the following code:

```
28 # Print types
29 print(type(num), type(textnum), type(decimal))
30
31 # Convert and sum
32 total = num + int(textnum) + decimal
33 print(f"Sum: {total}")
34 print(f"Data type of sum: {type(total)}")
35 days_in_year = 365
36 minutes_in_hour = 60
37 hours_in_day = 24
38
39 total_minutes = days_in_year * hours_in_day * minutes_in_hour
40 print(f"The total number of minutes in a year is: {total_minutes}")
41
```

The Run window shows the output of the program:

```
2023
Entr2023
Entr1<class 'int'> <class 'str'> <class 'float'>
Sum: 178.3
Data type of sum: <class 'float'>
The total number of minutes in a year is: 525600
Process finished with exit code 0
```

Exercise 9



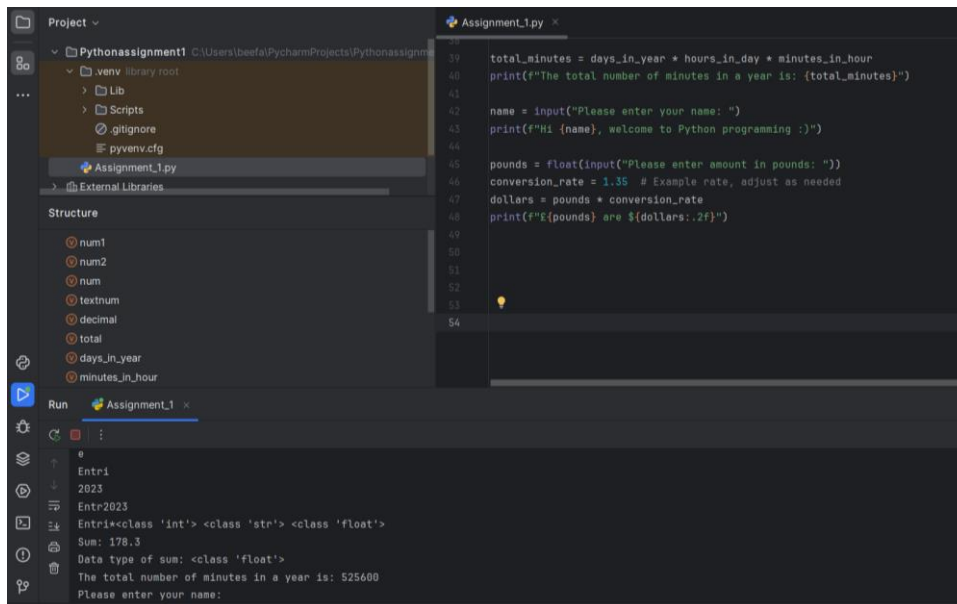
The screenshot shows the PyCharm IDE with a project named 'Pythonassignment1'. The file 'Assignment_1.py' is open in the editor. The code calculates the total minutes in a year based on days, hours, and minutes, and then prompts the user for their name. The Run window shows the output of the program.

```
33 print(f"Sum: {total}")
34 print(f"Data type of sum: {type(total)}")
35 days_in_year = 365
36 minutes_in_hour = 60
37 hours_in_day = 24
38
39 total_minutes = days_in_year * hours_in_day * minutes_in_hour
40 print(f"The total number of minutes in a year is: {total_minutes}")
41
42 name = input("Please enter your name: ")
43 print(f"Hi {name}, welcome to Python programming :)")
44 name = input("Please enter your name: ")
45 print(f"Hi {Shahana}, welcome to Python programming :)")
46
47
48 name = input("Please enter your name: ")
49 print(f"Hi {name}, welcome to Python programming :)")
50
51
```

Run Assignment_1

```
0
Entr1
2023
Entr2023
Entr1<class 'int'> <class 'str'> <class 'float'>
Sum: 178.3
Data type of sum: <class 'float'>
The total number of minutes in a year is: 525600
Please enter your name:
```

Exercise 10



The screenshot shows the PyCharm IDE with the same project. The file 'Assignment_1.py' is open. The code calculates the total minutes in a year and then prompts the user for their name. The Run window shows the output of the program.

```
39 total_minutes = days_in_year * hours_in_day * minutes_in_hour
40 print(f"The total number of minutes in a year is: {total_minutes}")
41
42 name = input("Please enter your name: ")
43 print(f"Hi {name}, welcome to Python programming :)")
44
45 pounds = float(input("Please enter amount in pounds: "))
46 conversion_rate = 1.35 # Example rate, adjust as needed
47 dollars = pounds * conversion_rate
48 print(f"{pounds} are ${dollars:.2f}")
49
50
51
52
53
54
```

Run Assignment_1

```
0
Entr1
2023
Entr2023
Entr1<class 'int'> <class 'str'> <class 'float'>
Sum: 178.3
Data type of sum: <class 'float'>
The total number of minutes in a year is: 525600
Please enter your name:
```