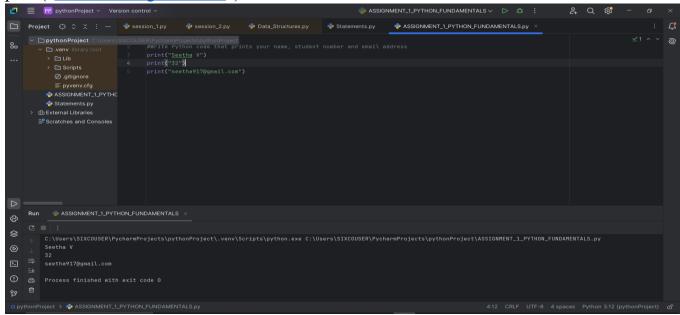
## ASSIGNMENT 1 – PYTHON FUNDAMENTALS

## 1. Write Python code that prints your name, student number and email address

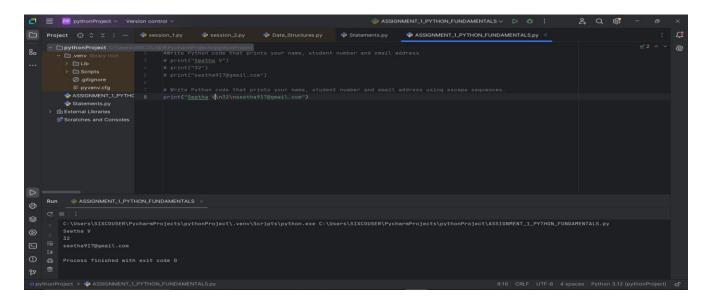
print("Seetha V")
print("32")

print("seetha917@gmail.com")



2. Write Python code that prints your name, student number and email address using escape sequences.

print("Seetha V\n32\nseetha917@gmail.com")



3. Write Python code that add, subtract, multiply and divide the two numbers. You can use the two numbers 14 and 7.

```
x=14
y=7
print( x , "+", y , "=", x+y )
print( x , "*", y , "=", x*y )
print( x , "-" , y , "=" , x-y )
print( x , "/" , y , "=" , x//y )
```

4. Write Python code that displays the numbers from 1 to 5 as steps.

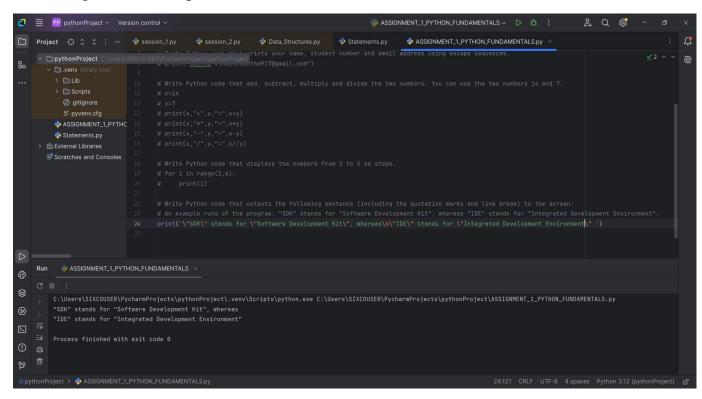
for i in range(1,6):

print(i)

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5.Write Python code that outputs the following sentence (including the quotation marks and line break) to the screen: An example runs of the program: "SDK" stands for "Software Development Kit", whereas "IDE" stands for "Integrated Development Environment".

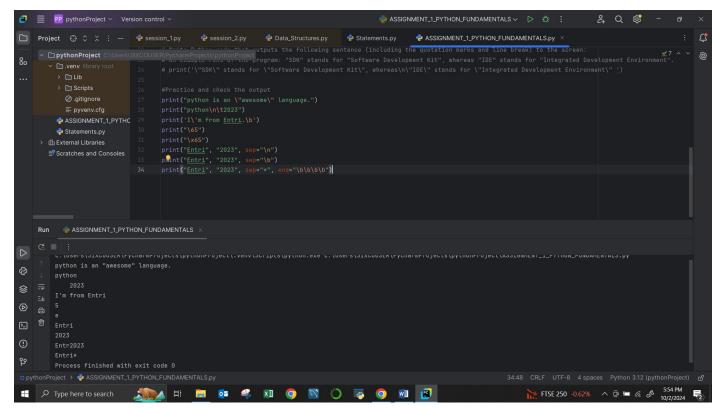
print( ' \"SDK\" stands for \"Software Development Kit\", whereas\n\"IDE\" stands
for \"Integrated Development Environment\" ')



6. Practice and check the output print("python is an \"awesome\" language.") print("python\n\t2023") print('I\'m from Entri.\b') print("\65") print("\x65") print("Entri", "2023", sep="\n") print("Entri", "2023", sep="\*", end="\b\b\b\b\b\b")

```
print("python is an \"awesome\" language.")
print("python\n\t2023")
```

```
print('I\'m from Entri.\b')
print("\65")
print("\x65")
print("Entri", "2023", sep="\n")
print("Entri", "2023", sep="\b")
print("Entri", "2023", sep="*", end="\b\b\b\b\b\b")
```

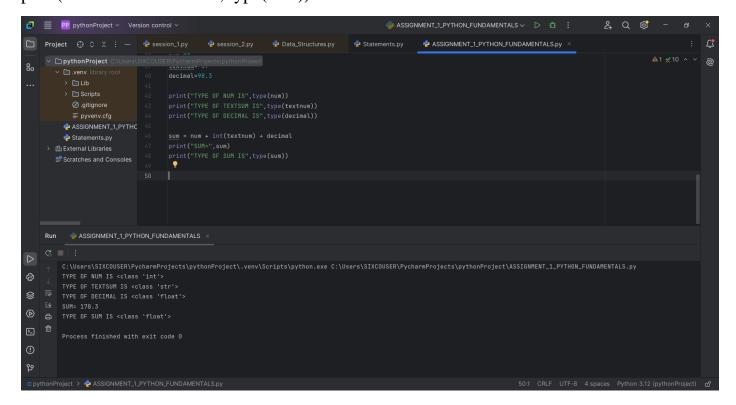


7. Define the variables below. Print the types of each variable. What is the sum of your variables? (Hint: use a type conversion function.) What datatype is the sum? num=23 textnum="57" decimal=98.3

```
num=23
textnum="57"
decimal=98.3
print("TYPE OF NUM IS", type(num))
print("TYPE OF TEXTSUM IS", type(textnum))
```

## print("TYPE OF DECIMAL IS", type(decimal))

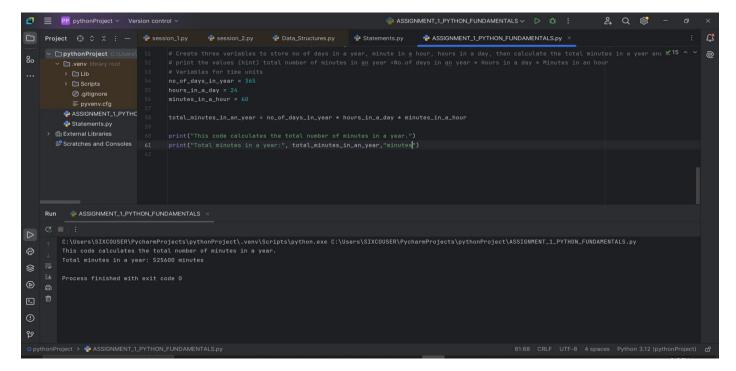
```
sum = num + int(textnum) + decimal
print("SUM=",sum)
print("TYPE OF SUM IS", type(sum))
```



8.Calculate the number of minutes in a year using variables for each unit of time. print a statement that describes what your code does also. Create three variables to store no of days in a year, minute in a hour, hours in a day, then calculate the total minutes in a year and print the values (hint) total number of minutes in an year =No.of days in an year \* Hours in a day \* Minutes in an hour

```
no_of_days_in_year = 365
hours_in_a_day = 24
minutes_in_a_hour = 60
```

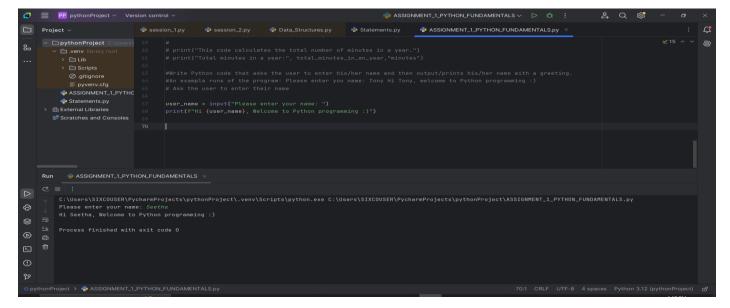
total\_minutes\_in\_an\_year = no\_of\_days\_in\_year \* hours\_in\_a\_day \* minutes\_in\_a\_hour print("This code calculates the total number of minutes in a year.") print("Total minutes in a year:", total\_minutes\_in\_an\_year,"minutes")



9. Write Python code that asks the user to enter his/her name and then output/prints his/her name with a greeting. An example runs of the program: Please enter you name: Tony Hi Tony, welcome to Python programming:)

user\_name = input("Please enter your name: ")

print(f "Hi {user\_name}, Welcome to Python programming :)")



10. Name your file: PoundsToDollars.py Write a program that asks the user to enter an amount in pounds (£) and the program calculates and converts an amount in dollar (\$) An example runs of the program: Please enter amount in pounds: XXX £ XXX are \$ XXX

```
pounds = float(input("Please enter amount in pounds (\pounds): "))
dollars = pounds * 1.33
```

print(f"£{pounds} = \${dollars}")