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assignment python (1) (1) (1)

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JupyterLab Python 3 (ipykernel)

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

[9]:
name="seeniya george"
Student_No="28"
Email_address="1234@gamil.com"

[11]:
print(name)
print(Student_No)
print(Email_address)

seeniya george
28
1234@gamil.com

[13]:
d1={"name:seeniya","student_no:28","email_address:1234@gmail.com"}
d1

[13]:
{'email_address:1234@gmail.com', 'name:seeniya', 'student_no:28'}

[]: # 2. Write python code prints your name, student number and email address using escape sequences

[15]:
name="Seeniya George"
Student_Number="28"
email_address="1234@gmail.com"

[17]:
print("Seeniya George")
print("28")
print("1234@gmail.com")

Seeniya George
28
1234@gmail.com

[]: # 3. Write python code that add, subtract, multiply and divide the two numbers. you can use the two numbers 14 and 7.

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JupyterLab Python 3 (ipykernel)

1234@gmail.com

[]: # 3. Write python code that add, subtract, multiply and divide the two numbers. you can use the two numbers 14 and 7.

[19]:

```
a=14
b=7
c=a+b
d=a-b
e=a/b
f=a*b
```

[21]:

```
print(a,b,c,d,e,f)
```

14 7 21 7 2.0 98

[23]:

```
print(a+b)
print(a-b)
print(a*b)
print(a/b)
```

21
7
98
2.0

[]: #4. write python code that displays the numbers from 1 to 5 as steps.

[7]:

```
count=1
while count<6:
    print(count)
    count+=1
```

1
2
3

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ENG IN

98
2.0

```
[ ]: #4.write python code that displays the numbers from 1 to 5 as steps.
```

```
[7]: count=1
while count<6:
    print(count)
    count+=1
```

- 1
- 2
- 3
- 4
- 5

```
[ ]: #5. Write python code that outputs the following sentence (including the quotation marks and line break) to the screen:
```

```
[5]: print("\nSDK\"stands for \"Software Development Kit\", whereas\n\"IDE\" stands for \"Integrated Development Environment\".")
```

"SDK" stands for "Software Development Kit", whereas "IDE" stands for "Integrated Development Environment".

```
[ ]: # 6.practice and check the output
```

```
[25]: print("python is an\"awesome\"language.")
      print("python\\n\\t2023")
      print('l\\'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")
```

```
python is an"awesome"language.
```

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JupyterLab Python 3 (ipykernel)

[]: # 6.practice and check the output

[25]:

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

```
python is an"awesome"language.
python
      2023
l'm from Entri
5
e
Entri
2023
entr2023
Entri*20
```

[]: # 7.Define the vaariables below.print the type of each variable.what is the sum of your variables?9Hint:use a type conversion function,) what datatype is

[27]:

```
num = 23
textnum = "57"
decimal = 98.3

print(f"Type of num:{type(num)}")
print(f"Type of textnum:{type(textnum)}")
print(f"Type of Decimal:{type(decimal)}")

#convert textnum to int for sum
sum = num + int(textnum) + decimal
```

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JupyterLab Python 3 (ipykernel)

[]:

7. Define the variables below. print the type of each variable. what is the sum of your variables? Hint: use a type conversion function, what datatype is

[27]:

```
num = 23
textnum = "57"
decimal = 98.3

print(f"Type of num:{type(num)}")
print(f"Type of textnum:{type(textnum)}")
print(f"Type of Decimal:{type(decimal)}")

#convert textnum to int for sum
sum = num + int(textnum) + decimal
print(f"sum:{sum}")
print(f"type of sum:{type(sum)}")
```

Type of num:<class 'int'>
Type of textnum:<class 'str'>
Type of Decimal:<class 'float'>
sum:178.3
type of sum:<class 'float'>

[]:

#8. calculate the number of minutes in a year using variables for each unit of time, print statement that describes what your code does also. create three var

[29]:

```
#calculate minutes in a year

days_in_year = 365
hours_in_day = 24
minutes_in_hour = 60

total_minutes = days_in_year * hours_in_day * minutes_in_hour
print(f"Calculating total minutes in a year...")
print(f"total minutes in a year:{total_minutes}")
```

Calculating total minutes in a year...

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JupyterLab Python 3 (ipykernel)

Type of textnum:<class 'str'>
Type of Decimal:<class 'float'>
sum:178.3
type of sum:<class 'float'>

[]: #8.calculate the number of minutes in a year using variables for each unit of time,printstatement that describes what your code does also.create three var

[29]: #calculate minutes in a year

days_in_year = 365
hours_in_day = 24
minutes_in_hour =60

total_minutes = days_in_year * hours_in_day * minutes_in_hour
print(f"Calculating total minutes in a year...")
print(f"total minutes in a year:{total_minutes}")

Calculating total minutes in a year...
total minutes in a year:525600

[]:

[31]: # 9.Write Python code that asks the user to enter his/her name and then output/print his/her name with a greeting
An example runs of the program:
please enter your name:tony
Hi tony,welcome to python programming:

Cell In[31], line 2
An example runs of the program:
^
SyntaxError: invalid syntax

[33]: def greet(name):
return f"Hello {name}!"
print(greet("seeniya ,Welcome to python programming"))

1

Windows Taskbar

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JupyterLab Python 3 (ipykernel)

```
[31]: # 9. Write Python code that asks the user to enter his/her name and then output/print his/her name with a greeting
An example runs of the program:
please enter your name: tony
Hi tony, welcome to python programming:

Cell In[31], line 2
    An example runs of the program:
    ^
SyntaxError: invalid syntax

[33]: def greet(name):
    return f"Hello {name}!"
print(greet("seeniya ,Welcome to python programming"))

Hello seeniya ,Welcome to python programming!

[ ]: # 10. name your file :pounts to Dollers.py
write a program that asks the user to enter an amount in pounds and the program calculates and converts an amount on dollar ($)
An example runs of the program:
please enter amount in pounds: xxx

[3]: # conversion rate from dollars to pounds(example)
conversion_rate = 0.75 # dollar = 0.75 pounds
# input from users
dollars = float(input("please enter amount in dollars:"))
# check if the amount is valid
if dollars < 0:
    print("please enter a non-negative amount.")
else:
    # convert dollars to pounds
    pounds = dollars * conversion_rate
    print(f"{dollars} dollars is equal to {pounds} pounds.")

please enter amount in dollars: 100
```

1

Windows Taskbar

10:48 PM

13-10-2024

The screenshot displays a web browser window at localhost:8889/notebooks/Downloads/assignment%20python%20(1)%20(1)%20(1).ipynb?. The JupyterLab application is running, showing a notebook titled "assignment python (1) (1) (1)" with a last checkpoint of 13 minutes ago. The interface includes a top menu bar (File, Edit, View, Run, Kernel, Settings, Help), a toolbar with icons for file operations and execution, and a "Trusted" status indicator. The main area contains three code cells. The first cell defines a function greet(name) that returns a formatted string. The second cell, labeled []:, contains comments and instructions for writing a program that asks for an amount in points and converts it to dollars. The third cell, labeled [3]:, contains Python code for a conversion rate from dollars to pounds, including input handling and conditional logic. Below the code cells, the output of the third cell is visible, showing the prompt "please enter amount in dollars: 100" and the result "100.0 dollars is equal to 75.0 pounds.". The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 10:48 PM on 13-10-2024.