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Code

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,substract,multiply and divide the two numbers.you can use the two numbers 14 and 7.
```

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Code

JupyterLab Python 3 (ipykernel)

```
1234@gmail.com
```

[ ]:
```
# 3.Write python code that add,substract,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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Code

JupyterLab | Python 3 (ipykernel)

```
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("\"SDK\"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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Code JupyterLab Python 3 (ipykernel)

[ ]:
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# 6.practice and check the output
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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 varible.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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Code JupyterLab Python 3 (ipykernel)

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

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Code 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 varibles for each unit of time,printstatement that describes what your code does also.create three var
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[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"))
```

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Code 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 pounts and the program calculates and converts an amount on doller($)
An example runs of the program:
please enter amount in pounts:xxx
```

[3]:
```
# conversion rate from dollars to pounts(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 pounts
    pounds= dollars * conversion_rate
    print(f"{dollars} dollars is equal to {pounds} pounds.")
```

```
please enter amount in dollars: 100
```

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Code

JupyterLab | Python 3 (ipykernel)

```
    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 pounts and the program calculates and converts an amount on doller($)
An example runs of the program:
please enter amount in pounts:xxx
```

[3]:

```
# conversion rate from dollars to pounts(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 pounts
    pounds= dollars * conversion_rate
    print(f"{dollars} dollars is equal to {pounds} pounds.")
```

```
please enter amount in dollars: 100
100.0 dollars is equal to 75.0 pounds.
```

[ ]:

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