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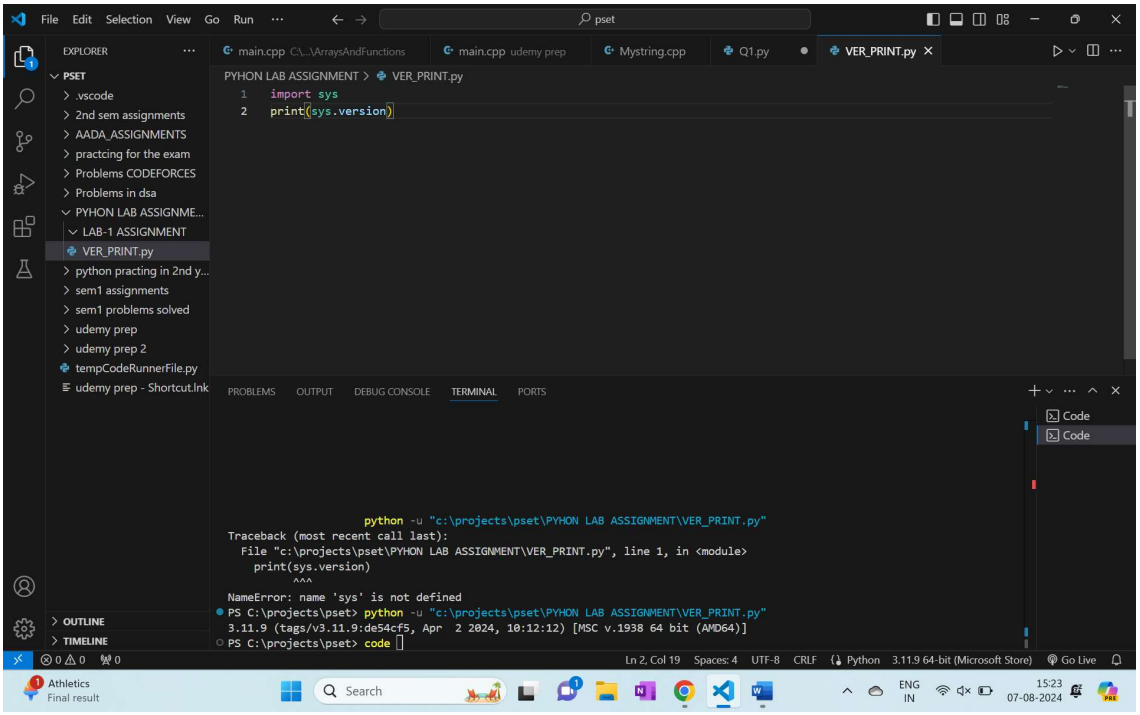
Q1 to print the version of the current python

Input

import sys

print(sys.version)



Q2 to print all the keywords

INPUT

import keyword

print(keyword.kwlist)

output

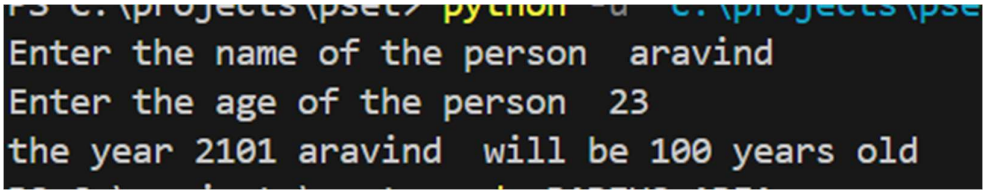
```
['False', 'None', 'True', 'and', 'as', 'assert', 'async', 'await', 'break', 'class', 'continue', 'def', 'del', 'elif
se', 'except', 'finally', 'for', 'from', 'global', 'if', 'import', 'in', 'is', 'lambda', 'nonlocal', 'not', 'or', 'pa
'raise', 'return', 'try', 'while', 'with', 'yield']
```

Q3 to take input of the age of the person and replying

Input

```
name=input("Enter the name of the person"+ "  ")
age=int(input("Enter the age of the person"+"  "))
limit=2024+100-age
print("the year",limit,name," will be 100 years old")
```

OUTPUT

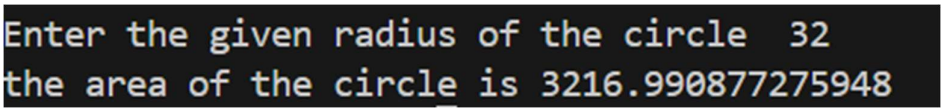


Q4 to print the area using radius given

INPUT

```
import math
radius=float(input("Enter the given radius of the circle"+ "  "))
area=(math.pi)*radius*radius
print("the area of the circle is",area)
```

OUTPUT



Q5 to print whether the given number is even or odd

INPUT

```
num=int(input("Enter the desired number"+ " "))
if num%2==0:
   print("the given number is even")
else:
   print("the given number is odd")
```

OUTPUT

```
Enter the desired number 34
the given number is even
PS C:\projects\pset> python
Enter the desired number 1
the given number is odd
```

Q6 to check whether 0.1+0.2=0.3 hold or not

INPUT

```
lab=0.1+0.2
if(lab==0.3):
    print("8")
    print("the sol is true")
else:
    print("it is false")
#here it is clearly showing the false option
l=round(0.2+0.1,2)
if(l==round(0.3,2)):
    print("its true in decimal case")
else:
    print("its not working")
```

OUTPUT

```
PS C:\projects\pset> python -u
it is false
its true in decimal case
```

Q7 to change the first character of the given string

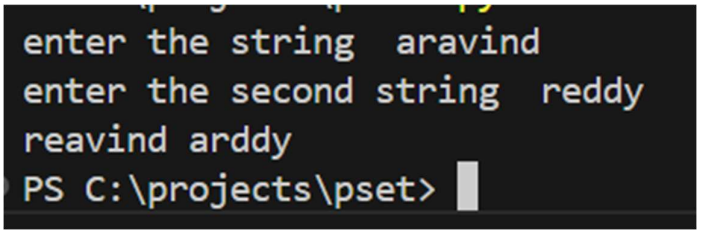
INPUT

```
 string1=input("enter the string  ")
string2=input("enter the second string  ")
l=string1[:2]
s=string2[:2]
new_string1=s+string1[2:]
```

new_string2=l+string2[2:]

print(new_string1,new_string2,sep=" ")

OUTPUT



Q8 to check the string is valid or not through identifier

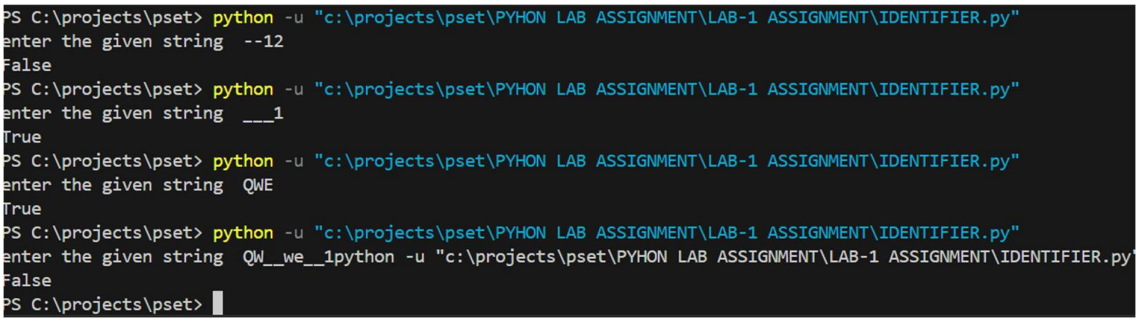
INPUT

#here we are using an identifier to find is it reasonable string

string1=input("enter the given string ")

print(string1.isidentifier())

output



Q9to change the first and last characters

INPUT

string1=input("enter the string ")

string2=input("enter the second string ")

l=string1[:1]

s=string2[:1]

h=string1[len(string1)-1:]

d=string2[len(string2)-1:]

new_string1=s+string1[1:len(string1)-1]+h

new_string2=l+string2[1:len(string2)-1]+d

print(new_string1,new_string2,sep=" ")

OUTPUT

```
PS C:\projects\pset> python -u "c:\projects\pset\PYHON LAB ASSIGNMENT\LAB-1 ASSIGNMENT\CHANGE_FIRST_LAST.py"
enter the string  aravind
enter the second string  reddy
rraviny aeddd
```

Q10 to convert the given string in upper and lower case

INPUT

```
string1=input("enter the given string   ")
print(string1.upper())
print(string1.lower())
```

OUTPUT

```
enter the given stringaravind
ARAVIND
aravind
PS C:\projects\pset> python -u "c:\pr
enter the given string   araARA
ARAARA
araara
PS C:\projects\pset>
```