

FileEditSelectionViewGoRunTerminalHelp3aq.py - Visual Studio Code

EXPLORER

OPEN EDITORS

3aq.py E:\College\python

3ab.py E:\College\python

3ac.py E:\College\python 9+

NO FOLDER OPENED

OUTLINE

TIMELINE

3aq.py

3ab.py

3ac.py 9+

E: > College > python > 3aq.py > ...
1
2 num= int(input("Enter a number; "))
3 print(bin(num))
4
5

PROBLEMS 13

OUTPUT

DEBUG CONSOLE

TERMINAL

Windows PowerShell
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS E:\College\python> & 'C:\Users\Sachin Singh\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Sachin Singh\.vscode\extensions\ms-python.python-2022.6.2\pythonFiles\lib\python\debugpy\launcher' '58943' '--' 'e:\College\python\3ac.py'
35
Traceback (most recent call last):
File "e:\College\python\3ac.py", line 7, in <module>
b= n * (n+1)/2
NameError: name 'n' is not defined
PS E:\College\python>

+

^

×

powershell

Python

Python

Python De...

Ln 5, Col 1 Spaces: 4 UTF-8 CRLF Python 3.10.4 64-bit

Type here to search

75%

32°C Clear

21:52

14-05-2022

FileEditSelectionViewGoRunTerminalHelp3ab.py - Visual Studio Code

EXPLORER

OPEN EDITORS

3aq.py E:\College\python

3ab.py E:\College\python

3ac.py E:\College\python 9+

NO FOLDER OPENED

OUTLINE

TIMELINE

3ab.py

E: > College > python > 3ab.py > ...

1

2

3 func= input("Enter a mathematical expression;")

4 print(eval(func))

5

6

PROBLEMS 13

OUTPUT

DEBUG CONSOLE

TERMINAL

Windows PowerShell

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PS E:\College\python> & 'C:\Users\Sachin Singh\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Sachin Singh\.vscode\extensions\ms-python.python-2022.6.2\pythonFiles\lib\python\debugpy\launcher' '58943' '--' 'e:\College\python\3ac.py'

35

Traceback (most recent call last):

File "e:\College\python\3ac.py", line 7, in <module>

b= n * (n+1)/2

NameError: name 'n' is not defined

PS E:\College\python>

+ ^ x

powershell

Python

Python

Python De...

0 13

Type here to search

76%

21:52

14-05-2022

3ac.py - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

3aq.py E:\College\python
3ab.py E:\College\python
3ac.py E:\College\python 9+

NO FOLDER OPENED
OUTLINE
TIMELINE

3ac.py 9+ X

E: > College > python > 3ac.py > ...

```
1  
2 #a  
3 a= (3+4)*5  
4 print(a)  
5  
6 #b  
7 b= n * (n+1)/2  
8 print(b)  
9  
10 #c  
11 c= 4 * math.pi * r ** 2  
12 print(c)  
13  
14 #d  
15 d= math.sqrt(r * (math.cos(a)) ** 2 + r * (math.sin(a)) ** 2)  
16 print(d)  
17  
18 #e  
19 e= (y2 - y1)/(x2 - x1)  
20 print(e)  
21  
22
```

PROBLEMS 13 OUTPUT DEBUG CONSOLE TERMINAL

Windows PowerShell
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS E:\College\python> & 'C:\Users\Sachin Singh\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Sachin Singh\.vscode\extensions\ms-python.python-2022.6.2\pythonFiles\lib\python\debugpy\launcher' '58943' '--' 'e:\College\python\3ac.py'
35
Traceback (most recent call last):
 File "e:\College\python\3ac.py", line 7, in <module>
 b= n * (n+1)/2
NameError: name 'n' is not defined
PS E:\College\python> []

powershell
Python
Python
Python De...

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python 3.10.4 64-bit

Type here to search

76% 32°C Clear 21:52 14-05-2022

FileEditSelectionViewGoRunTerminalHelp

3ad.py - Visual Studio Code

EXPLORER

OPEN EDITORS 1 UNSAVED

3aq.py E:\College\python

3ab.py E:\College\python

3ad.py E:\College\python

NO FOLDER OPENED

OUTLINE

TIMELINE

3ad.py

E: > College > python > 3ad.py > ...

```
1 #1
2 a = range (5)
3 for n in a:
4     print(a)
5
6 #2
7 b = range (3, 10)
8 for n in b:
9     print(b)
10
11 #3
12 c = range (4,13,3)
13 for n in c:
14     print(c)
15
16 #4
17 d = range (15,5,-2)
18 for n in d:
19     print(d)
20
21 #5
22 e = range (5,3)
23 for n in e:
24     print(e)
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PS E:\College\python> & 'C:\Users\Sachin Singh\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Sachin Singh\.vscode\extensions\ms-python.python-2022.6.2\pythonFiles\lib\python\debugpy\launcher' '59576' '--' ''
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> |

+

^

^

x

powershell

Python

Python

Python De...

Ln 24, Col 13 Spaces: 4 UTF-8 CRLF Python 3.10.4 64-bit

79%

31°C Clear

22:38

14-05-2022

File Edit Selection View Go Run Terminal Help

3ae.py - Visual Studio Code

3ae.py 3ab.py 3aq.py

Launch

VARIABLES

WATCH

CALL STACK

BREAKPOINTS

Launch

RUNNING

E: > College > python > 3ae.py > ...

1

2 c = int(input("Enter number of carbon atoms: "))

3 mass_c = c*12.0101

4

5 h = int(input("Enter number of hydrogen atoms: "))

6 mass_h = h*1.00794

7

8 o = int(input("Enter number of oxygen atoms: "))

9 mass_o = o*15.9994

10

11 Molecular_weight_of_carbohydrate = mass_c + mass_h + mass_o

12

13 print (Molecular_weight_of_carbohydrate)

14

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS E:\College\python> e::; cd 'e:\College\python'; & 'C:\Users\Sachin Singh\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Sachin Singh\.vscode\extensions\ms-python.python-2022.6.2\pythonFiles\lib\python\debugpy\launcher' '59682' '--' 'e:\College\python\3ae.py'

Enter number of carbon atoms: 2

Enter number of hydrogen atoms: 2

Enter number of oxygen atoms: 2

58.03488 e::; cd 'e:\College\python'; & 'C:\Users\Sachin Singh\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Sachin Singh\.vscode\extensions\ms-python.python-2022.6.2\pythonFiles\lib\python\debugpy\launcher' '59384' '--' 'e:\College\python\3ad.py' []

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74%

31°C Clear 22:45 14-05-2022