

C:\Users\Nikhil Saini\.spyder-py3\Ques. 1.py

Ques. 1.py* Ques. 2.py* Ques. 3.py* Ques. 4.py* Ques. 5.py*

```
1 # Question No. 1
2
3 # Taking Input from the User for each of the three numbers
4 A = int(input("Enter the First Number:"))
5 B = int(input("Enter the Second Number:"))
6 C = int(input("Enter the Third Number:"))
7
8 Average = (A + B + C)/3
9 print("The Average of these three numbers is :",Average)
10
11
```

Source Console Object

Usage

Variable explorer Help Plots Files

Console 2/A

Python 3.8.8 (default, Apr 13 2021, 15:08:03) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.22.0 -- An enhanced Interactive Python.

In [1]: runcell(0, 'C:/Users/Nikhil Saini/.spyder-py3/Ques. 1.py')

Enter the First Number: 3

Enter the Second Number:4

Enter the Third Number:5

The Average of these three numbers is : 4.0

In [2]: runcell(0, 'C:/Users/Nikhil Saini/.spyder-py3/Ques. 1.py')

Enter the First Number: 20

Enter the Second Number:10

Enter the Third Number:30

The Average of these three numbers is : 20.0

In [3]: runcell(0, 'C:/Users/Nikhil Saini/.spyder-py3/Ques. 1.py')

Enter the First Number: 34

Enter the Second Number:2

Enter the Third Number:344

The Average of these three numbers is : 126.66666666666667

In [4]:

Python console History

LSP Python: ready

conda (Python 3.8.8)

Line 9, Col 58

ASCII

CRLF

RW

Mem 48%

```
1 # Question no. 2
2
3 # Taking the input from the user for Gross Income and No. of Dependents
4 GI = int(input("Enter the Gross Income :"))
5 Dep = int(input("Enter the Number of Dependents :"))
6
7 # Putting the Values in the Formulae
8 taxable_income= (GI - 10000) - Dep*3000 )
9 Tax= taxable_income*(0.2)
10 print(f"Your Tax is : {Tax}")
```

Usage

In [4]: runcell(0, 'C:/Users/Nikhil Saini/.spyder-py3/Ques. 2.py')

Enter the Gross Income : 50000

Enter the Number of Dependents : 4
Your Tax is : 5600.0

In [5]: runcell(0, 'C:/Users/Nikhil Saini/.spyder-py3/Ques. 2.py')

Enter the Gross Income : 3330

Enter the Number of Dependents :3
Your Tax is : -3134.0

In [6]:

C:\Users\Nikhil Saini\spyder-py3\Ques. 3.py

Ques. 1.py* Ques. 2.py* Ques. 3.py* Ques. 4.py* Ques. 5.py*

```
1 # Question no. 3
2
3 N = int(input("Enter seconds: "))
4
5 Mins = N // 60
6 Secs = N % 60
7
8 print(Mins, "Minutes and", Secs, "Seconds")
```

Source Console Object

Usage

Variable explorer Help Plots Files

Console 2/A

In [6]: runcell(0, 'C:/Users/Nikhil Saini/.spyder-py3/Ques. 3.py')

```
Enter seconds: 367
6 Minutes and 7 Seconds
```

In [7]: runcell(0, 'C:/Users/Nikhil Saini/.spyder-py3/Ques. 3.py')

```
Enter seconds: 1123
18 Minutes and 43 Seconds
```

In [8]:

Python console History

LSP Python: ready

conda (Python 3.8.8)

Line 8, Col 45

ASCII

CRLF

RW

Mem 48%

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C:\Users\Nikhil Saini

C:\Users\Nikhil Saini\.spyder-py3\Ques. 4.py

Ques. 1.py* Ques. 2.py* Ques. 3.py* Ques. 4.py* Ques. 5.py*

```
1 # Question no. 4
2
3 A = 25
4 num = '25'
5 B = int(num)
6 new = 25.0
7 C = int(new)
8 D=A+B+C
9 D=str(D)
10 print(D)
11
12 # Asserting the Type
13 print(type(D))
14
```

Source Console Object

Usage

Variable explorer Help Plots Files

Console 2/A

In [8]: runcell(0, 'C:/Users/Nikhil Saini/.spyder-py3/Ques. 4.py')
75
<class 'str'>

In [9]:

Python console History

LSP Python: ready conda (Python 3.8.8) Line 14, Col 1 ASCII CRLF RW Mem 48%

C:\Users\Nikhil Saini

Ques. 1.py* Ques. 2.py* Ques. 3.py* Ques. 4.py* Ques. 5.py*

```
1 # Question no. 5
2
3 import math
4 input_angle=int(input("Enter angle between 0 to 345 with increment of 15 degree:"))
5 print(f"{input_angle} {round(math.sin(input_angle),4)} {round(math.cos(input_angle),4)}")
6
7
8
9
```

Usage

Variable explorer Help Plots Files

Console 2/A

```
In [9]: runcell(0, 'C:/Users/Nikhil Saini/.spyder-py3/Ques. 5.py')

Enter angle between 0 to 345 with increment of 15 degree: 45
45 0.8509 0.5253

In [10]: runcell(0, 'C:/Users/Nikhil Saini/.spyder-py3/Ques. 5.py')

Enter angle between 0 to 345 with increment of 15 degree: 180
180 -0.8012 -0.5985

In [11]:
```

Python console History

LSP Python: ready conda (Python 3.8.8) Line 5, Col 93 ASCII CRLF RW Mem 48%