

Question 1.py > ...

```
1  # Question 1
2  num1 = int(input())
3  num2 = int(input())
4  num3 = int(input())
5
6  avg = (num1+num2+num3)/3
7  print(avg)
8
```

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Windows PowerShell

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```
PS C:\Users\admin\python assignments> & 'C:\Users\admin\AppData\Local\Microsoft\WindowsApps\python3.10.exe' 'c:\Users\admin\.vscode\extensions\ms-python.python-2022.4.1\pythonFiles\lib\python\debugpy\launcher' '53200' '--' 'c:\Users\admin\python assignments\Question 1.py'
```

50

40

30

40.0

```
PS C:\Users\admin\python assignments> 
```

```
1 # Question 2
2 gross_income=input("please enter gross income: ")
3 gross_income=float(gross_income)
4
5 standard_deduction=10000
6 dependents=input("enter the no. of dependents: ")
7 dependents=int(dependents)
8 #there is a $3000 deduction for each dependents
9 dependent_deduction=3000
10
11 #tax rate=20%
12 taxable_income=gross_income-standard_deduction-(dependent_deduction*dependents)
13 tax=(taxable_income*20)/100
14 print("tax:")
15 if tax>=0:
16     print(tax)
17 else:
18     print("0")
19
```

Python Debug Console

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```
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```

```
please enter gross income: 20000
```

enter the no. of dependents: 2

tax:

800.0

```
PS C:\Users\admin\python assignments>
```

Question 3.py > ...

```
1 # Question 3
2 print("enter number of seconds")
3 num_sec = int(input())
4
5 minutes = int(num_sec//60)
6 seconds = int(num_sec%60)
7 print(str(minutes) + " minutes and " + str(seconds) + " seconds")
8
```

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Windows PowerShell

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```
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```

```
enter number of seconds
```

```
72
```

```
1 minutes and 12 seconds
```

```
PS C:\Users\admin\python assignments> |
```

Question 4.py X



Question 4.py > ...

```
1  # Question 4
2  num1 = int(25)
3  num2 = str('25')
4  num3 = float(25.0)
5
6  x = int(num1) + int(num2) + int(num3)
7  print(str(x))
8  |
9
```



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Windows PowerShell

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```
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```

75

```
PS C:\Users\admin\python assignments>
```

Question 5.py > ...

```
1  # Question 5
2  import math as math
3
4  angle = 0
5  while angle < 360:
6      rad = angle * math.pi/180
7      print ("angle " + str(angle) + " sin:" + str(round(math.sin(rad),4)) + " cos:" + str(round(math.cos(rad),4))
8      angle = angle + 15
9
10
11
```

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```
angle 195 sin:-0.2588 cos:-0.9659
angle 210 sin:-0.5 cos:-0.866
angle 225 sin:-0.7071 cos:-0.7071
angle 240 sin:-0.866 cos:-0.5
angle 255 sin:-0.9659 cos:-0.2588
angle 270 sin:-1.0 cos:-0.0
angle 285 sin:-0.9659 cos:0.2588
angle 300 sin:-0.866 cos:0.5
angle 315 sin:-0.7071 cos:0.7071
angle 330 sin:-0.5 cos:0.866
angle 345 sin:-0.2588 cos:0.9659
PS C:\Users\admin\python assignments> |
```