

FileEditSelectionViewGoRunTerminalHelp

Q2.py - class 1 - Visual Studio Code

assignment_1.pyQ1.pyQ2.pyXQ3.pyQ4.pyQ5.py

assignment_1 > Q2.py > ...

1# 2

2gross_income= float(input("Your Gross income (to the nearest penny)- \$"))

3no_of_dependents= float(input("Number of dependents- "))

4dependent_deduction= 3000

5standard_deduction= 10000

6taxable_income = gross_income - standard_deduction - (dependent_deduction * no_of_dependents)

7tax_rate= 0.2

8tax = taxable_income * tax_rate

9print(f'Tax- \${tax}')

10

PROBLEMSDEBUG CONSOLETERMINALOUTPUT

Code+ -

Windows PowerShell

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PS C:\Coding Files\class 1> python -u "c:\Coding Files\class 1\assignment_1\Q2.py"

Your Gross income (to the nearest penny)- \$300000

Number of dependents- 4

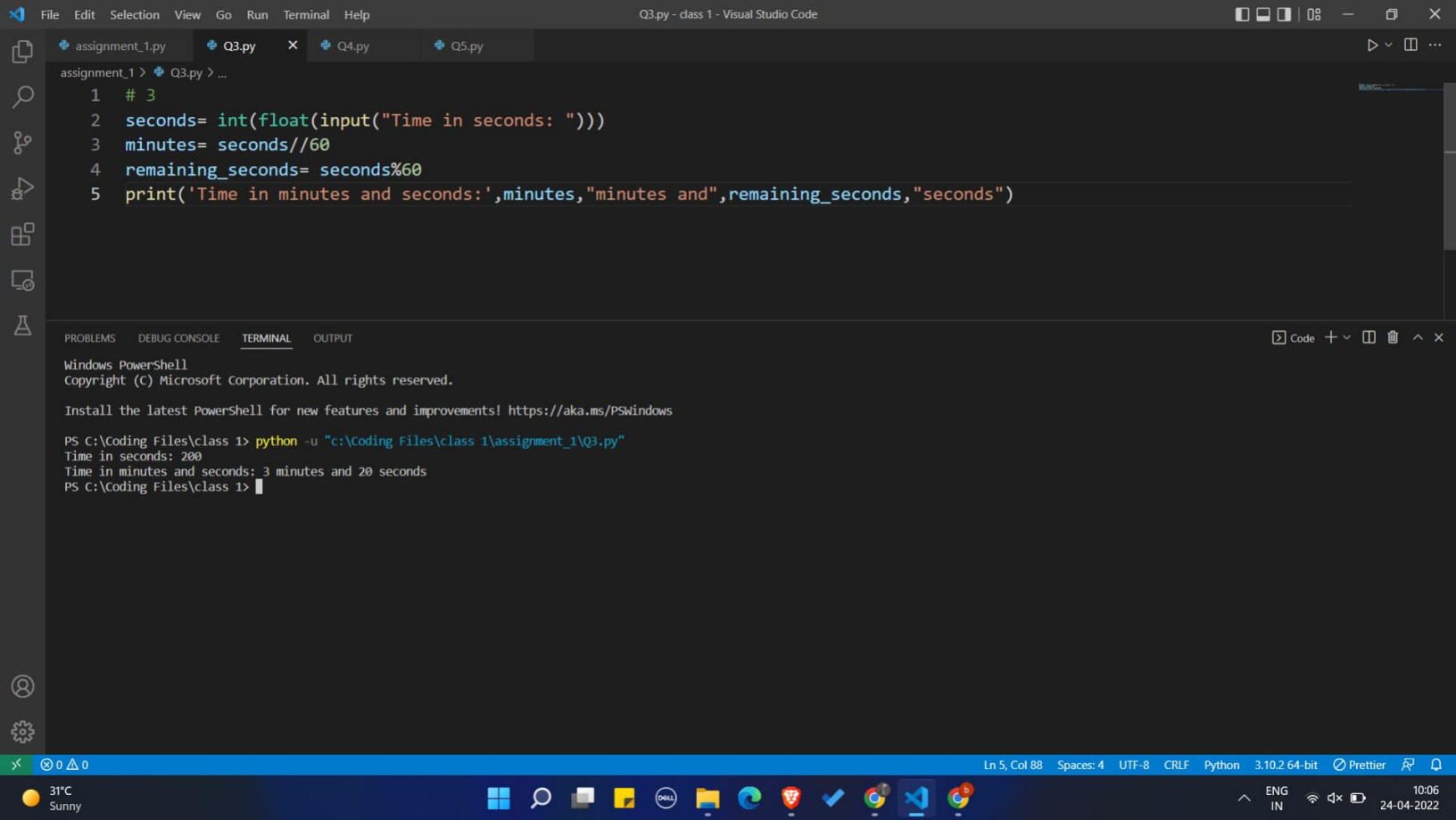
Tax- \$55600.0

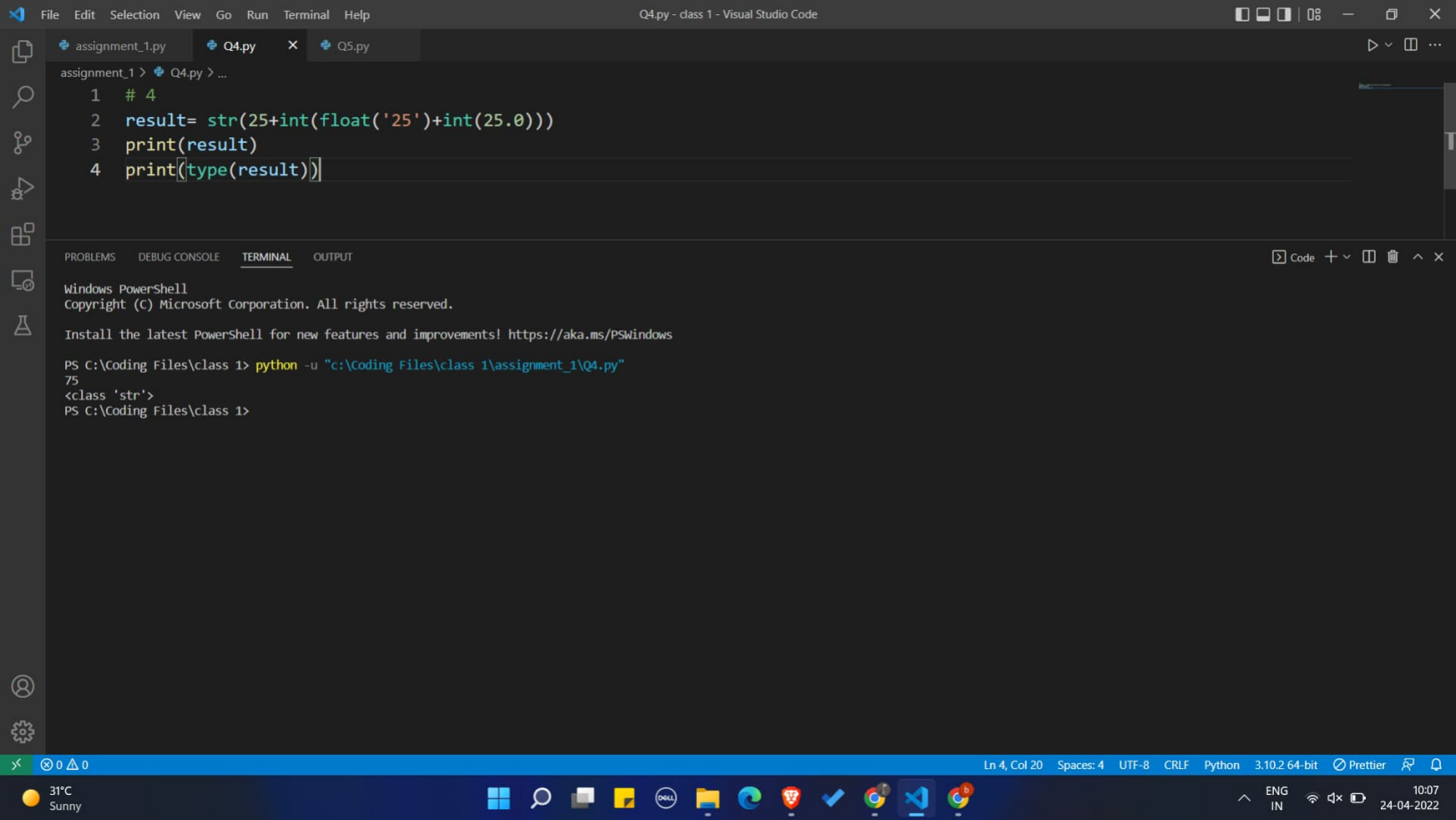
PS C:\Coding Files\class 1>

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31°C Sunny

10:0524-04-2022





assignment_1.py

Q4.py

X

Q5.py

assignment_1 > Q4.py > ...

```
1 # 4
2 result= str(25+int(float('25')+int(25.0)))
3 print(result)
4 print(type(result))
```

PROBLEMS

DEBUG CONSOLE

TERMINAL

OUTPUT

Code + -

Windows PowerShell

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PS C:\Coding Files\class 1> python -u "c:\Coding Files\class 1\assignment_1\Q4.py"

75

<class 'str'>

PS C:\Coding Files\class 1>

FileEditSelectionViewGoRunTerminalHelp

Q5.py - class 1 - Visual Studio Code

assignment_1.pyQ5.py

assignment_1 > Q5.py > ...

```
1 #5
2 import math
3 for i in range(0,346,15):
4     angle = i*(math.pi)/180
5     print(f'{i} --- {round((math.sin(angle)),4)} {round((math.cos(angle)),4)}')
```

PROBLEMSDEBUG CONSOLETERMINALOUTPUT

Code

Windows PowerShell

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PS C:\Coding Files\class 1> python -u "c:\Coding Files\class 1\assignment_1\Q5.py"

0 --- 0.0 1.0
15 --- 0.2588 0.9659
30 --- 0.5 0.866
45 --- 0.7071 0.7071
60 --- 0.866 0.5
75 --- 0.9659 0.2588
90 --- 1.0 0.0
105 --- 0.9659 -0.2588
120 --- 0.866 -0.5
135 --- 0.7071 -0.7071
150 --- 0.5 -0.866
165 --- 0.2588 -0.9659
180 --- 0.0 -1.0
195 --- -0.2588 -0.9659
210 --- -0.5 -0.866
225 --- -0.7071 -0.7071
240 --- -0.866 -0.5
255 --- -0.9659 -0.2588
270 --- -1.0 -0.0
285 --- -0.9659 0.2588
300 --- -0.866 0.5
315 --- -0.7071 0.7071
330 --- -0.5 0.866
345 --- -0.2588 0.9659
PS C:\Coding Files\class 1>

Ln 5, Col 80Spaces: 4UTF-8CRLFPython3.10.2 64-bitPrettier

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ENG
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24-04-2022