



LOVELY
PROFESSIONAL
UNIVERSITY

INT₁₀₈

GROUP MEMBERS:

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SECTION: KOC₃₀

SUBMITTED TO: AMAN SIR AND GEETIKA MAM

PROJECT TITLE:ROMAN TO INTEGERS

Code:

```
#ROMAN TO INTEGERS
class py_solution:
    def roman_to_int(self, s):
        rom_val = {'I': 1, 'V': 5, 'X': 10, 'L': 50, 'C': 100, 'D': 500, 'M': 1000}
        int_val = 0
        for i in range(len(s)):
            if i > 0 and rom_val[s[i]] > rom_val[s[i - 1]]:
                int_val += rom_val[s[i]] - 2 * rom_val[s[i - 1]]
            else:
                int_val += rom_val[s[i]]
        return int_val
print(py_solution().roman_to_int('MDCMLXXV'))
print(py_solution().roman_to_int('MMCVII'))
print(py_solution().roman_to_int('MDCLXVI'))
print(py_solution().roman_to_int('DCCCLXXV'))
print(py_solution().roman_to_int('DLXII'))
```

mini project.python.py > ...

```
1  #ROMAN TO INTEGERS
2  class py_solution:
3      def roman_to_int(self, s):
4          rom_val = {'I': 1, 'V': 5, 'X': 10, 'L': 50, 'C': 100, 'D': 500, 'M': 1000}
5          int_val = 0
6          for i in range(len(s)):
7              if i > 0 and rom_val[s[i]] > rom_val[s[i - 1]]:
8                  int_val += rom_val[s[i]] - 2 * rom_val[s[i - 1]]
9              else:
10                 int_val += rom_val[s[i]]
11         return int_val
12 print(py_solution().roman_to_int('MDCMLXXV'))
13 print(py_solution().roman_to_int('MMCVII'))
14 print(py_solution().roman_to_int('MDCLXVI'))
15 print(py_solution().roman_to_int('DCCCLXXV'))
16 print(py_solution().roman_to_int('DLXII'))]
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

PS C:\Users\Dell\OneDrive\Desktop\Week3-HTML> & 'C:\Users\Dell\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Dell\.vscode\extensions\ms-python.python-2022.20.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '56039' '--' 'c:\Users\Dell\OneDrive\Desktop\Week3-HTML\mini project.python.py'

3475
2107
1666
875
562

THANK

YOU!