T&T LAB-9
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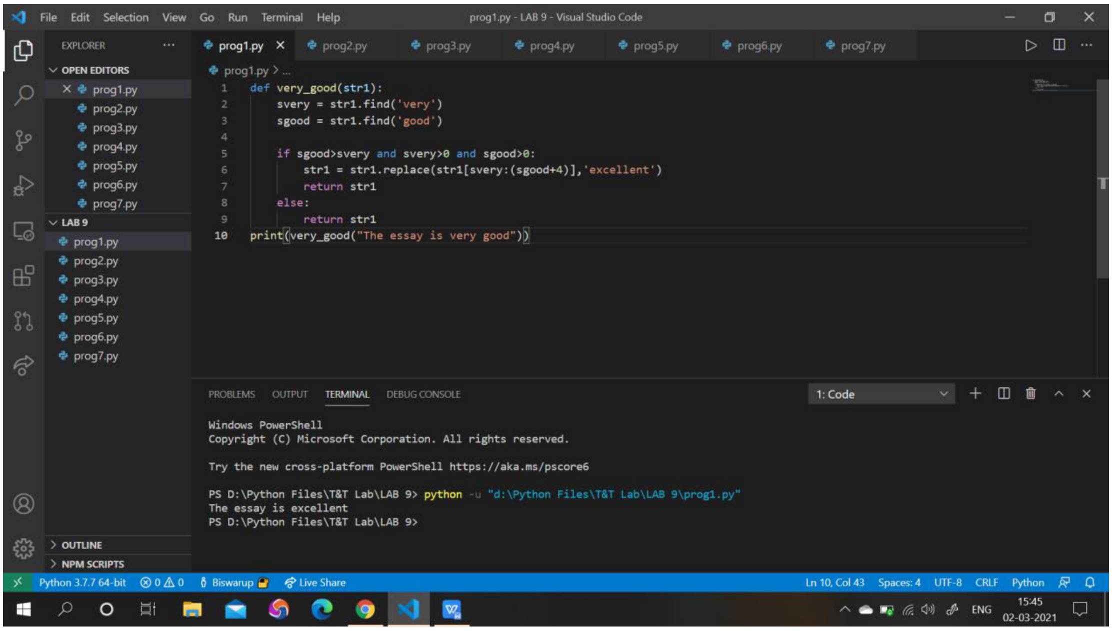
ROLL - 1806468

1. WAPP to find the first appearance of the substring "very" and "good" from a given string "If very follows the good replace the whole “very good” substring with “excellent" and print the resulting string.



prog1.py - LAB 9 - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
prog1.py prog2.py prog3.py prog4.py prog5.py prog6.py prog7.py
LAB 9
OUTLINE
NPM SCRIPTS
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: Code
Python 3.7.7 64-bit ⊗ 0 ⚠ 0 Biswarup Live Share
Ln 10, Col 43 Spaces: 4 UTF-8 CRLF Python
ENG 15:45 02-03-2021

```python
def very_good(str1):
    svery = str1.find('very')
    sgood = str1.find('good')

    if sgood>svery and svery>0 and sgood>0:
        str1 = str1.replace(str1[svery:(sgood+4)],'excellent')
        return str1
    else:
        return str1
print(very_good("The essay is very good"))
```

```
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PS D:\Python Files\T&T Lab\LAB 9> python -u "d:\Python Files\T&T Lab\LAB 9\prog1.py"
The essay is excellent
PS D:\Python Files\T&T Lab\LAB 9>
```
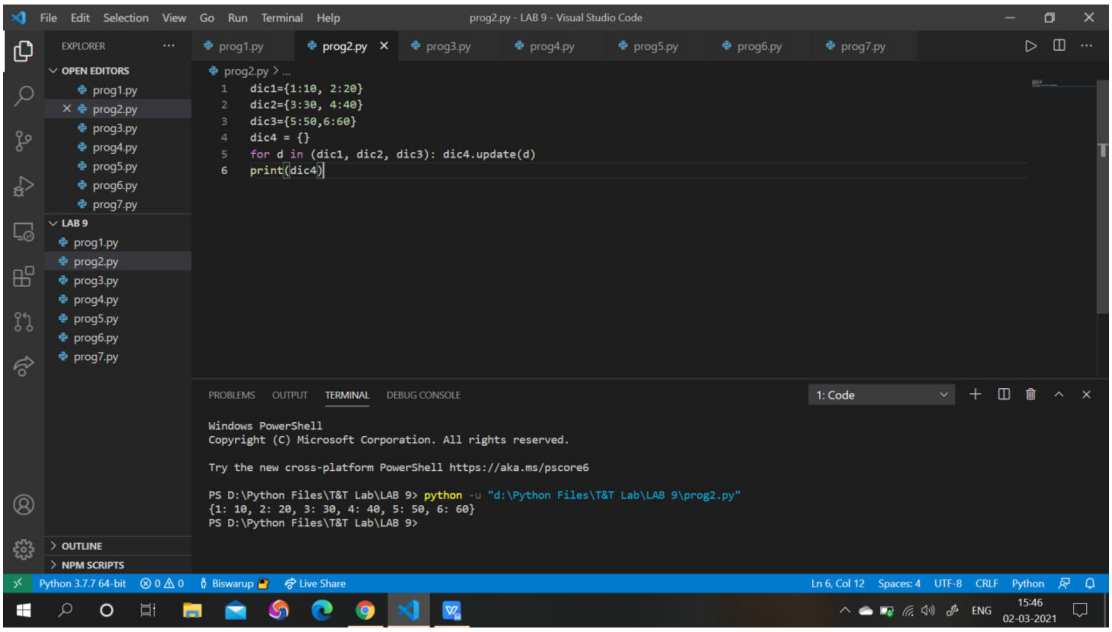

2. WAPP to concatenate 3 dictionaries to create a new one.



prog2.py - LAB 9 - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
prog1.py prog2.py prog3.py prog4.py prog5.py prog6.py prog7.py
LAB 9
OUTLINE
NPM SCRIPTS
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: Code
Python 3.7.7 64-bit ⊗ 0 ⚠ 0 Biswarup Live Share
Ln 6, Col 12 Spaces: 4 UTF-8 CRLF Python
ENG 15:46 02-03-2021

```python
dic1={1:10, 2:20}
dic2={3:30, 4:40}
dic3={5:50,6:60}
dic4 = {}
for d in (dic1, dic2, dic3): dic4.update(d)
print(dic4)
```

```
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PS D:\Python Files\T&T Lab\LAB 9> python -u "d:\Python Files\T&T Lab\LAB 9\prog2.py"
{1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}
PS D:\Python Files\T&T Lab\LAB 9>
```
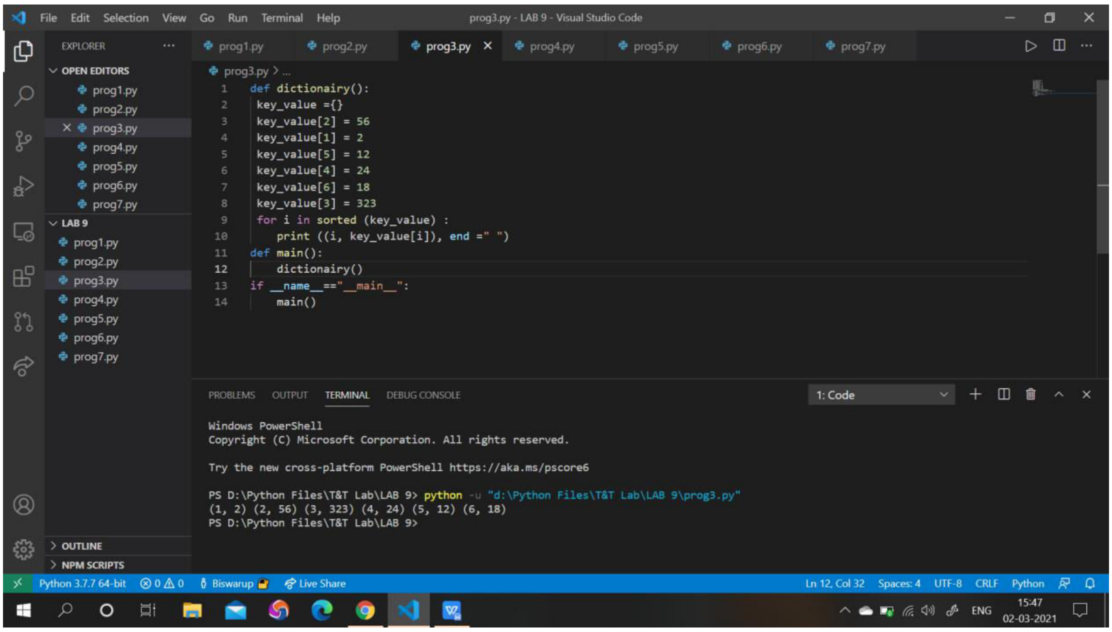

3. WAPP to sort a dictionary by key value.



File Edit Selection View Go Run Terminal Help
prog3.py - LAB 9 - Visual Studio Code
EXPLORER
OPEN EDITORS
prog1.py
prog2.py
prog3.py
prog4.py
prog5.py
prog6.py
prog7.py
LAB 9
OUTLINE
NPM SCRIPTS
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: Code
Python 3.7.7 64-bit
Biswarup
Live Share
Ln 12, Col 32 Spaces: 4 UTF-8 CRLF Python
ENG
15:47
02-03-2021

```python
def dictionairy():
 key_value ={}
 key_value[2] = 56
 key_value[1] = 2
 key_value[5] = 12
 key_value[4] = 24
 key_value[6] = 18
 key_value[3] = 323
 for i in sorted (key_value) :
    print ((i, key_value[i]), end =" ")
def main():
    dictionairy()
if __name__=="__main__":
    main()
```

```
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PS D:\Python Files\T&T Lab\LAB 9> python -u "d:\Python Files\T&T Lab\LAB 9\prog3.py"
(1, 2) (2, 56) (3, 323) (4, 24) (5, 12) (6, 18)
PS D:\Python Files\T&T Lab\LAB 9>
```
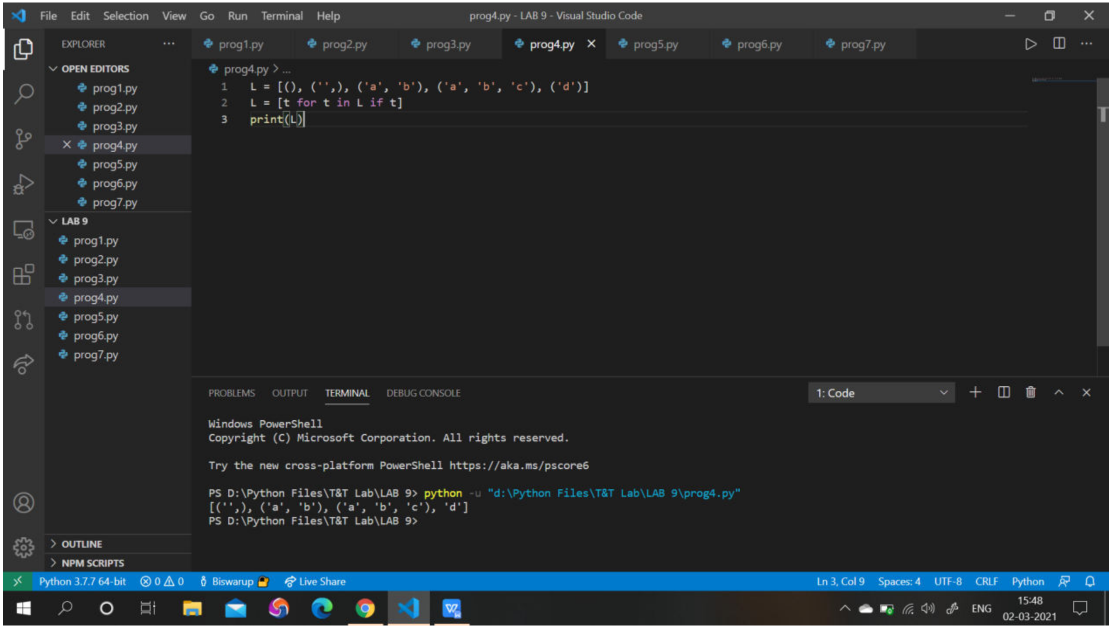

4. WAPP to remove an empty tuple from a list of tuples.



```python
L = [(), ('',), ('a', 'b'), ('a', 'b', 'c'), ('d')]
L = [t for t in L if t]
print(L)
```

```
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PS D:\Python Files\T&T Lab\LAB 9> python -u "d:\Python Files\T&T Lab\LAB 9\prog4.py"
[('',), ('a', 'b'), ('a', 'b', 'c'), 'd']
PS D:\Python Files\T&T Lab\LAB 9>
```
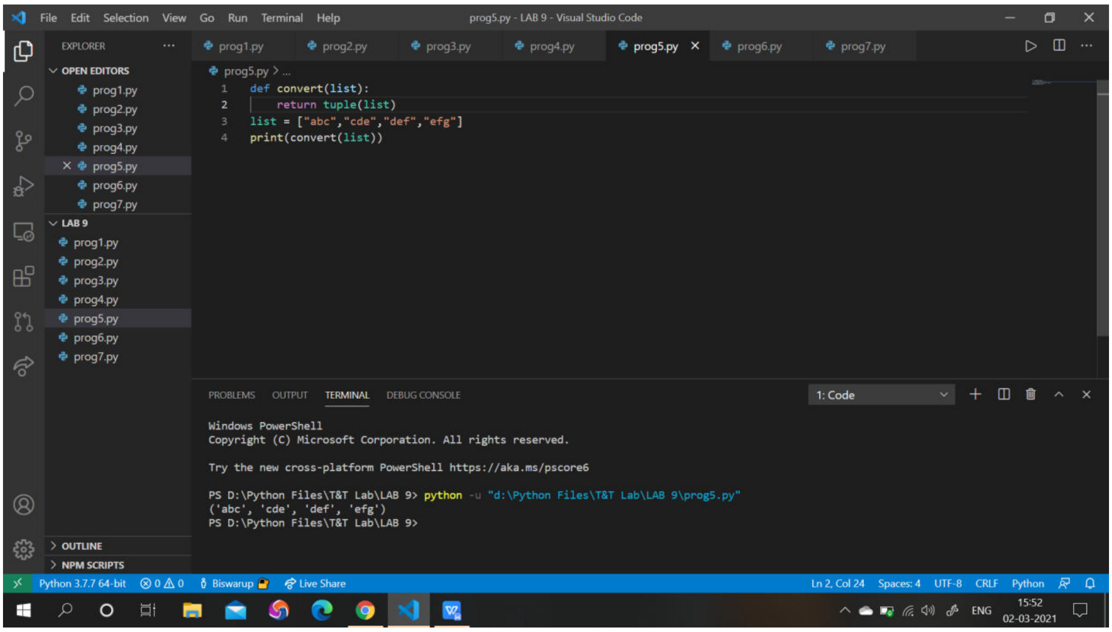

5. WAPP to convert a given string list to a tuple.



```python
def convert(list):
    return tuple(list)
list = ["abc","cde","def","efg"]
print(convert(list))
```

```
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PS D:\Python Files\T&T Lab\LAB 9> python -u "d:\Python Files\T&T Lab\LAB 9\prog5.py"
('abc', 'cde', 'def', 'efg')
PS D:\Python Files\T&T Lab\LAB 9>
```
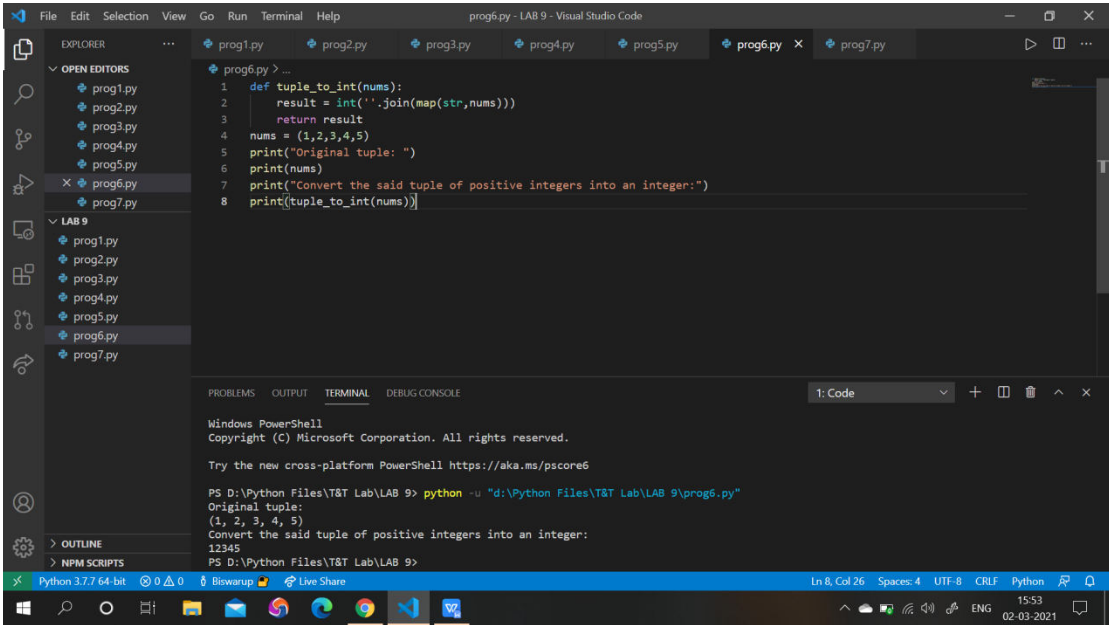

6. WAPP to convert a given tuple of positive integers into an integer.



```python
def tuple_to_int(nums):
    result = int(''.join(map(str,nums)))
    return result
nums = (1,2,3,4,5)
print("Original tuple: ")
print(nums)
print("Convert the said tuple of positive integers into an integer:")
print(tuple_to_int(nums))
```

```
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PS D:\Python Files\T&T Lab\LAB 9> python -u "d:\Python Files\T&T Lab\LAB 9\prog6.py"
Original tuple:
(1, 2, 3, 4, 5)
Convert the said tuple of positive integers into an integer:
12345
PS D:\Python Files\T&T Lab\LAB 9>
```
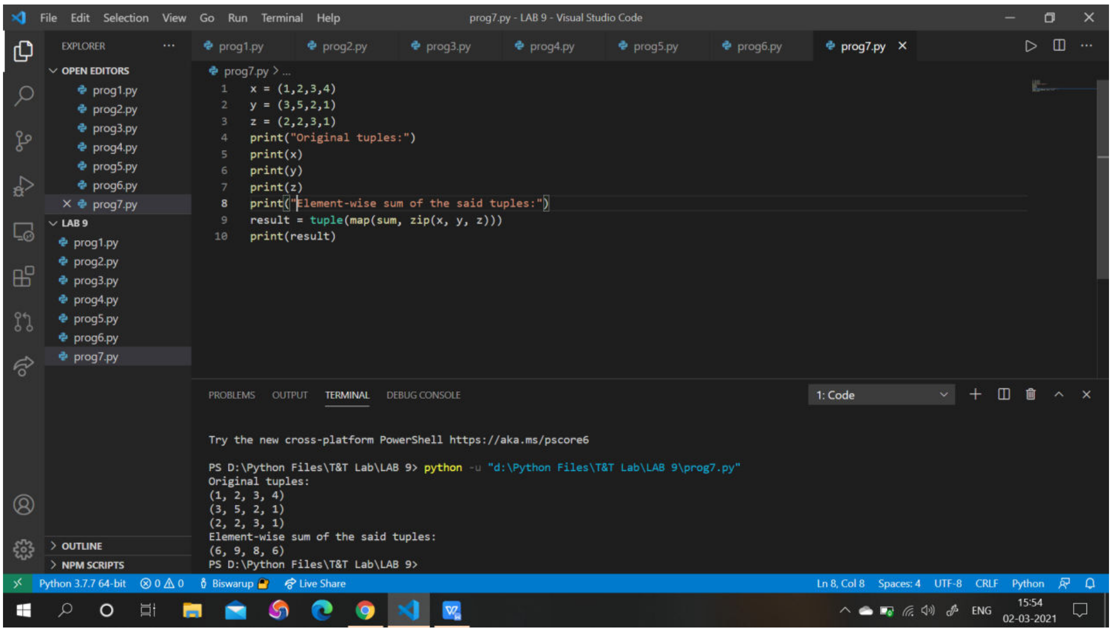

7. WAPP to find element wise sum of the given tuples.



```python
x = (1,2,3,4)
y = (3,5,2,1)
z = (2,2,3,1)
print("Original tuples:")
print(x)
print(y)
print(z)
print("Element-wise sum of the said tuples:")
result = tuple(map(sum, zip(x, y, z)))
print(result)
```

```
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PS D:\Python Files\T&T Lab\LAB 9> python -u "d:\Python Files\T&T Lab\LAB 9\prog7.py"
Original tuples:
(1, 2, 3, 4)
(3, 5, 2, 1)
(2, 2, 3, 1)
Element-wise sum of the said tuples:
(6, 9, 8, 6)
PS D:\Python Files\T&T Lab\LAB 9>
```