T&T Lab-1
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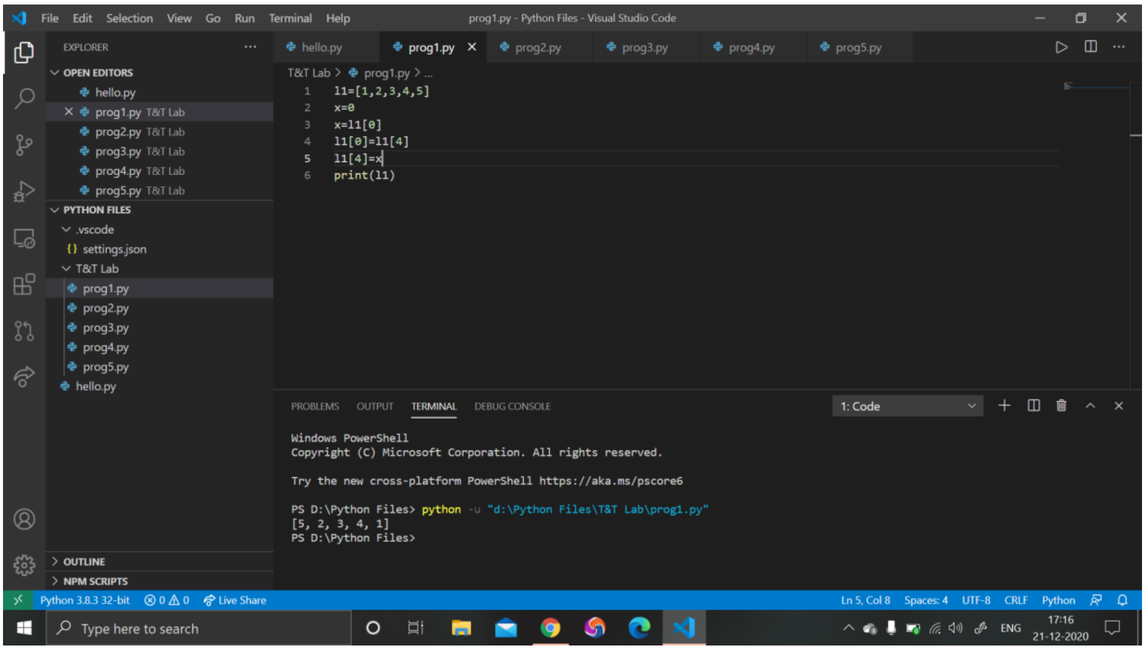
1.WAP to create a list and interchange the 1st and last element.



```python
l1=[1,2,3,4,5]
x=0
x=l1[0]
l1[0]=l1[4]
l1[4]=x
print(l1)
```

```
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PS D:\Python Files> python -u "d:\Python Files\T&T Lab\prog1.py"
[5, 2, 3, 4, 1]
PS D:\Python Files>
```
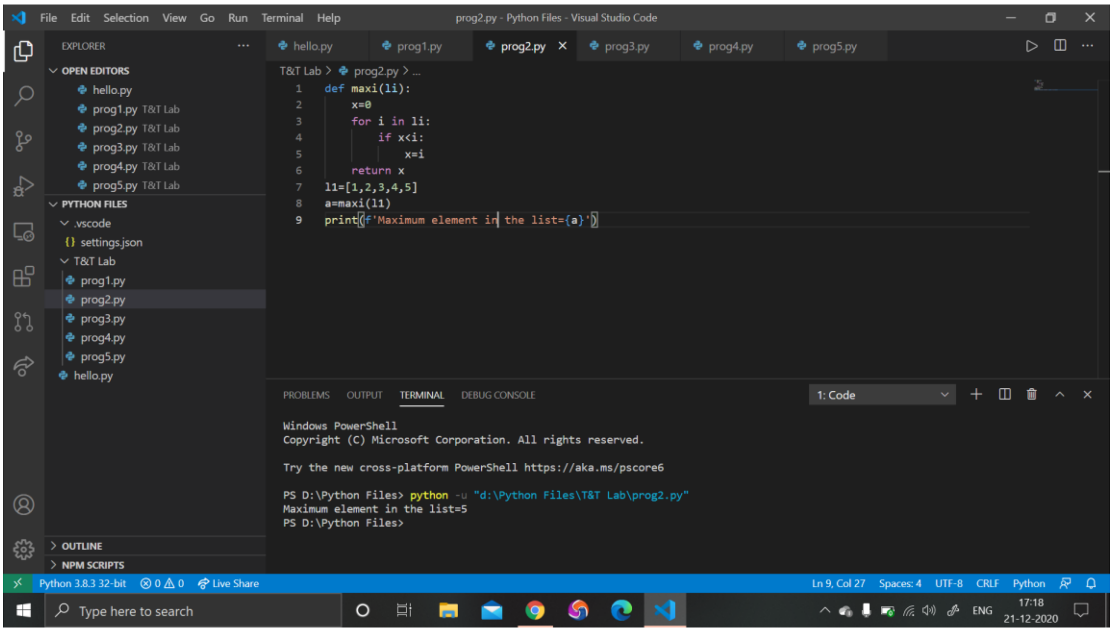

2.WAP to find the largest element in the list.



```python
def maxi(li):
    x=0
    for i in li:
        if x<i:
            x=i
    return x
l1=[1,2,3,4,5]
a=maxi(l1)
print(f'Maximum element in the list={a}')
```

```
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PS D:\Python Files> python -u "d:\Python Files\T&T Lab\prog2.py"
Maximum element in the list=5
PS D:\Python Files>
```
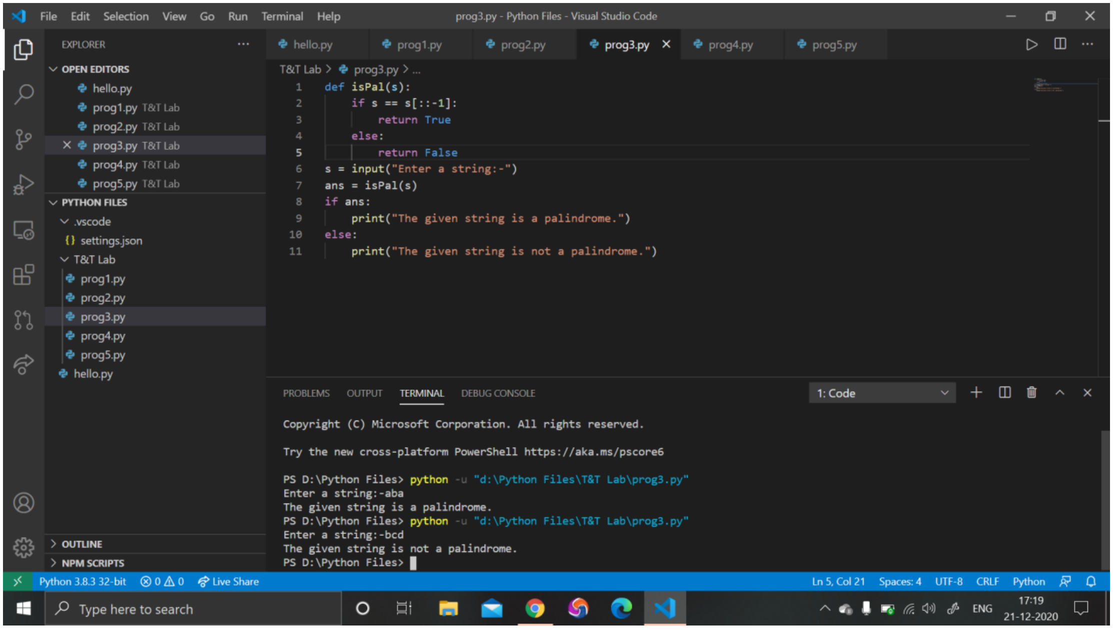

3. WAP to check if a string is palindrome or not.



```python
def isPal(s):
    if s == s[::-1]:
        return True
    else:
        return False
s = input("Enter a string:-")
ans = isPal(s)
if ans:
    print("The given string is a palindrome.")
else:
    print("The given string is not a palindrome.")
```

```
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PS D:\Python Files> python -u "d:\Python Files\T&T Lab\prog3.py"
Enter a string:-aba
The given string is a palindrome.
PS D:\Python Files> python -u "d:\Python Files\T&T Lab\prog3.py"
Enter a string:-bcd
The given string is not a palindrome.
PS D:\Python Files> 
```
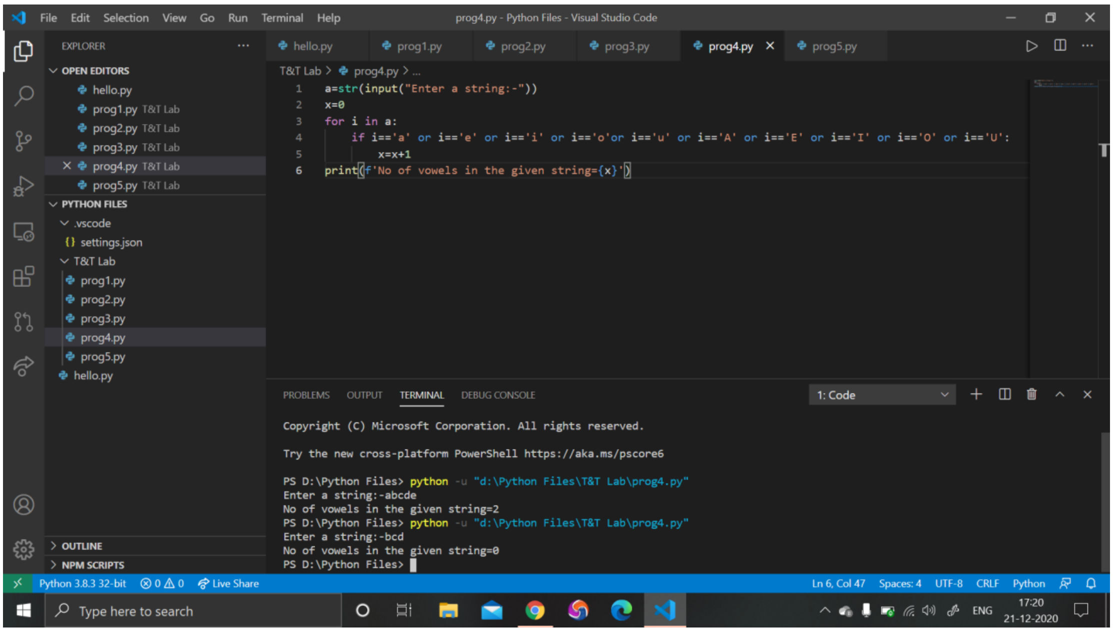

4.WAP to check whether string contains vowel or not also count no of vowels if present else print 0.



```python
a=str(input("Enter a string:-"))
x=0
for i in a:
    if i=='a' or i=='e' or i=='i' or i=='o'or i=='u' or i=='A' or i=='E' or i=='I' or i=='O' or i=='U':
        x=x+1
print(f'No of vowels in the given string={x}')
```

```
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PS D:\Python Files> python -u "d:\Python Files\T&T Lab\prog4.py"
Enter a string:-abcde
No of vowels in the given string=2
PS D:\Python Files> python -u "d:\Python Files\T&T Lab\prog4.py"
Enter a string:-bcd
No of vowels in the given string=0
PS D:\Python Files> 
```
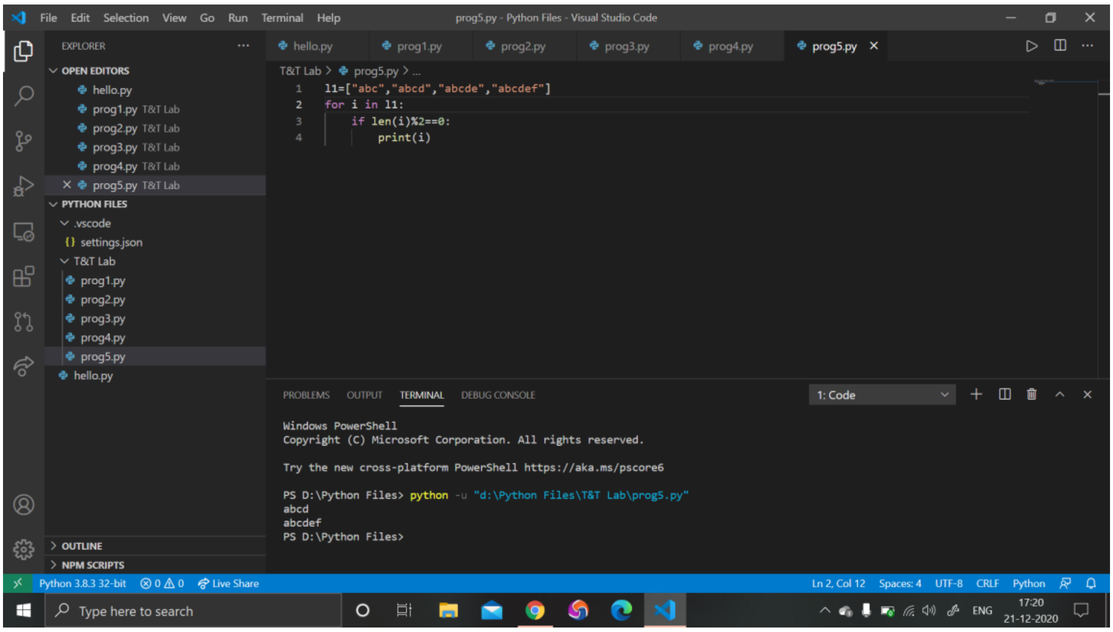

5.WAP to create a list and find the even length strings from that list.



```python
l1=["abc","abcd","abcde","abcdef"]
for i in l1:
    if len(i)%2==0:
        print(i)
```

```
Windows PowerShell
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PS D:\Python Files> python -u "d:\Python Files\T&T Lab\prog5.py"
abcd
abcdef
PS D:\Python Files>
```