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**ROLL NO:B68**

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**Q1.**

```
def mountain(lst):  
    if len(lst) < 3:  
        return False  
  
    i = 0  
    while i < len(lst) - 1 and lst[i] < lst[i + 1]:  
        i += 1  
  
    j = len(lst) - 1  
    while j > 0 and lst[j - 1] > lst[j]:  
        j -= 1  
  
    return i == j and i != 0 and j != len(lst) - 1  
  
print(mountain([1,2,3,2,1]))  
print(mountain([1,2,3]))  
print(mountain([3,3,4,2,1]))
```

Go Run Terminal Help

ise1q1.py U

program > PYTHON GIT > ise1q1.py

```
1 def mountain(lst):
2     if len(lst) < 3:
3         return False
4
5
6     i = 0
7     while i < len(lst) - 1 and lst[i] < lst[i + 1]:
8         i += 1
9
10
11     j = len(lst) - 1
12     while j > 0 and lst[j - 1] > lst[j]:
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Code + -

Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.

- PS E:\NIKHIL\PYTHON> python -u "e:\NIKHIL\PYTHON\program\PYTHON GIT\ise1q1.py"

```
True
False
False
```

- PS E:\NIKHIL\PYTHON>

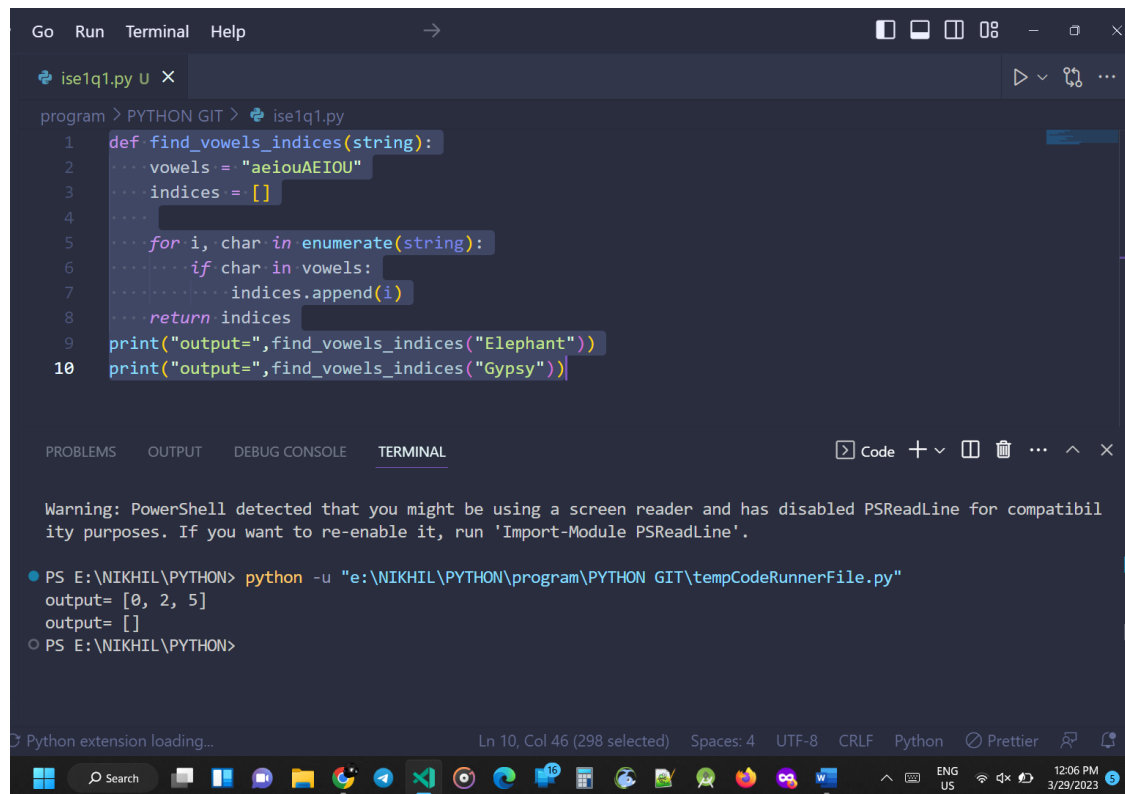
Python extension loading...

Ln 20, Col 29 Spaces: 4 UTF-8 CRLF Python Prettier

12:11 PM 3/29/2023

**Q2.**

```
def find_vowels_indices(string):  
    vowels = "aeiouAEIOU"  
    indices = []  
  
    for i, char in enumerate(string):  
        if char in vowels:  
            indices.append(i)  
  
    return indices  
  
print("output=",find_vowels_indices("Elephant"))  
print("output=",find_vowels_indices("Gypsy"))
```



The screenshot shows a Visual Studio Code editor window with a Python file named 'ise1q1.py'. The code defines a function 'find\_vowels\_indices' that takes a string and returns a list of indices for vowels. It then prints the output for 'Elephant' and 'Gypsy'. The terminal at the bottom shows the command 'python -u "e:\NIKHIL\PYTHON\program\PYTHON GIT\tempCodeRunnerFile.py"' being executed, resulting in the output 'output= [0, 2, 5]' and 'output= []'.

```
Go Run Terminal Help  
ise1q1.py U X  
program > PYTHON GIT > ise1q1.py  
1 def find_vowels_indices(string):  
2     vowels = "aeiouAEIOU"  
3     indices = []  
4  
5     for i, char in enumerate(string):  
6         if char in vowels:  
7             indices.append(i)  
8     return indices  
9 print("output=",find_vowels_indices("Elephant"))  
10 print("output=",find_vowels_indices("Gypsy"))  
  
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL  
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.  
● PS E:\NIKHIL\PYTHON> python -u "e:\NIKHIL\PYTHON\program\PYTHON GIT\tempCodeRunnerFile.py"  
output= [0, 2, 5]  
output= []  
○ PS E:\NIKHIL\PYTHON>  
  
Python extension loading... Ln 10, Col 46 (298 selected) Spaces: 4 UTF-8 CRLF Python Prettier  
12:06 PM 3/29/2023
```