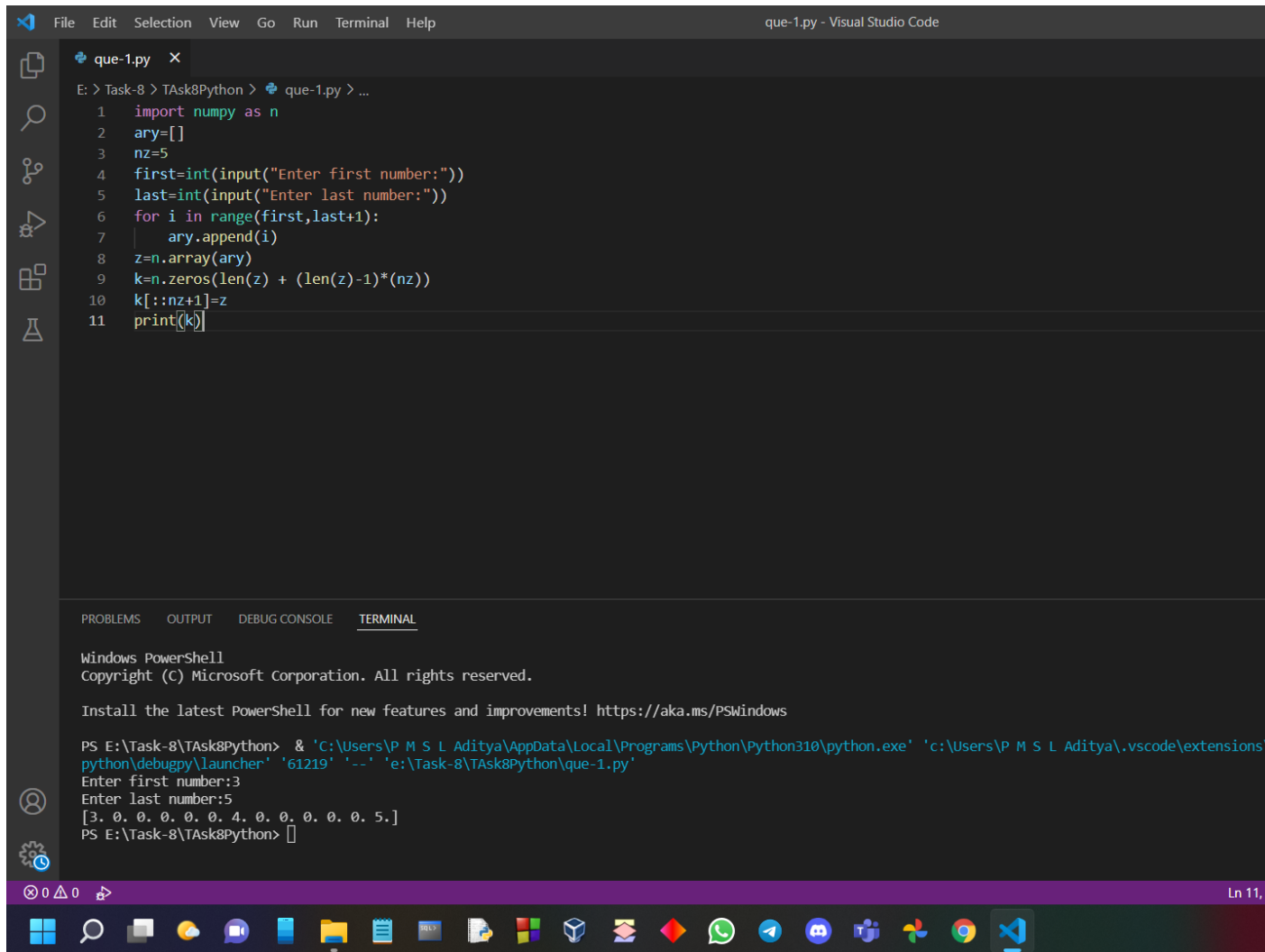


Task-8

Python

Question-1:



The screenshot shows the Visual Studio Code interface. The editor window displays a Python file named `que-1.py` with the following code:

```
1 import numpy as n
2 ary=[]
3 nz=5
4 first=int(input("Enter first number:"))
5 last=int(input("Enter last number:"))
6 for i in range(first,last+1):
7     ary.append(i)
8 z=n.array(ary)
9 k=n.zeros(len(z) + (len(z)-1)*(nz))
10 k[:,nz+1]=z
11 print(k)
```

The terminal window at the bottom shows the execution of the script in a Windows PowerShell environment. The output is as follows:

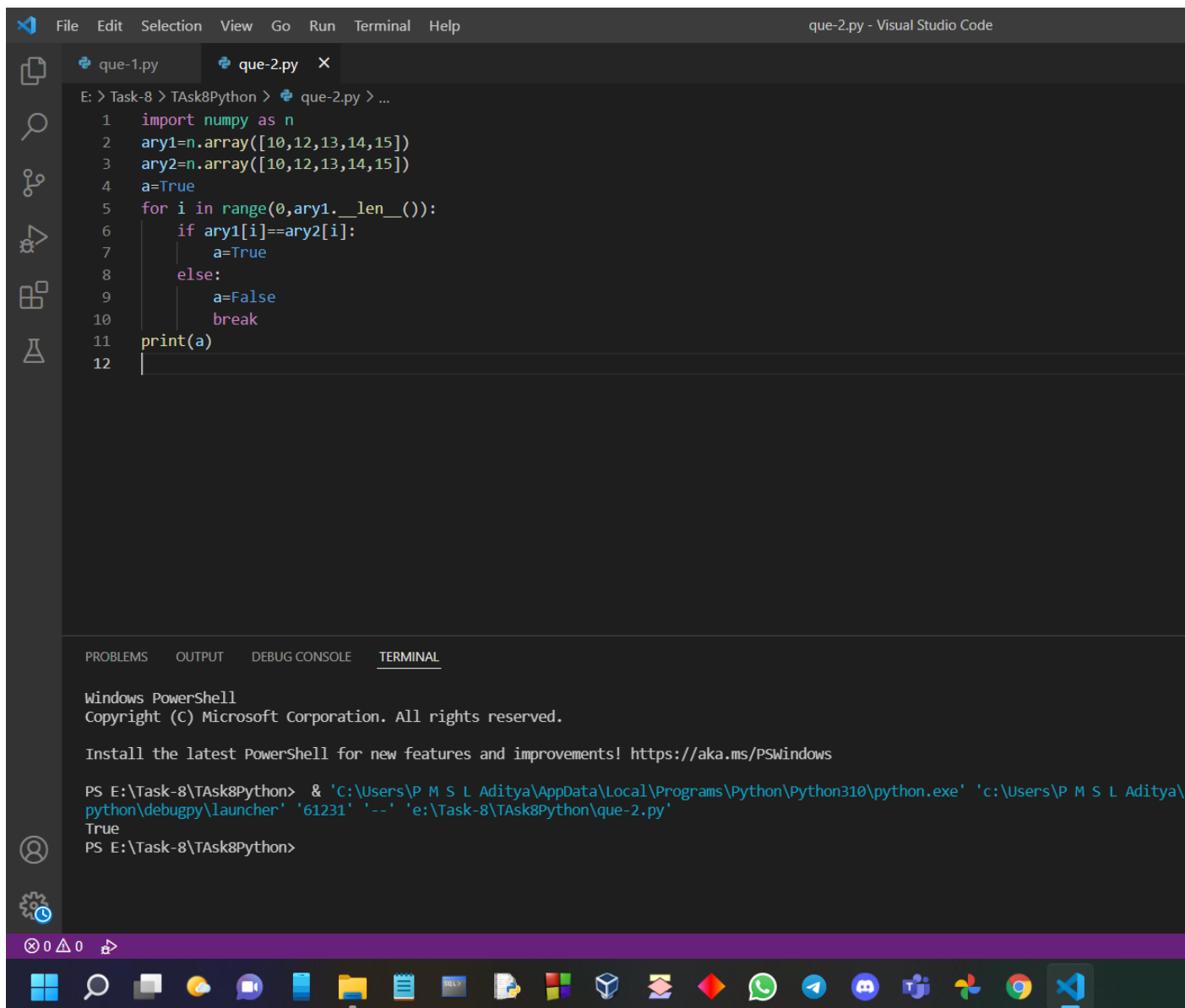
```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS E:\Task-8\Task8Python> & 'C:\Users\P M S L Aditya\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\P M S L Aditya\.vscode\extensions\python\debugpy\launcher' '61219' '--' 'e:\Task-8\Task8Python\que-1.py'
Enter first number:3
Enter last number:5
[3. 0. 0. 0. 0. 0. 4. 0. 0. 0. 5.]
PS E:\Task-8\Task8Python>
```

The taskbar at the bottom of the screen shows various application icons, including the Start menu, search, file explorer, and several communication apps like WhatsApp and Telegram.

Question-2:



Question-3:

The image shows a Visual Studio Code window with three tabs: 'que-1.py', 'que-2.py', and 'que-3.py'. The 'que-3.py' tab is active, displaying the following Python code:

```
1 import numpy as n
2 print(0 * n.nan)
3 print(n.nan != n.nan)
4 print(n.inf > n.nan)
5 print(n.nan - n.nan)
6 print(0.3 == 3 * 0.1)
7
```

Below the code editor, the 'TERMINAL' panel is open, showing the output of running the script. The terminal text is as follows:

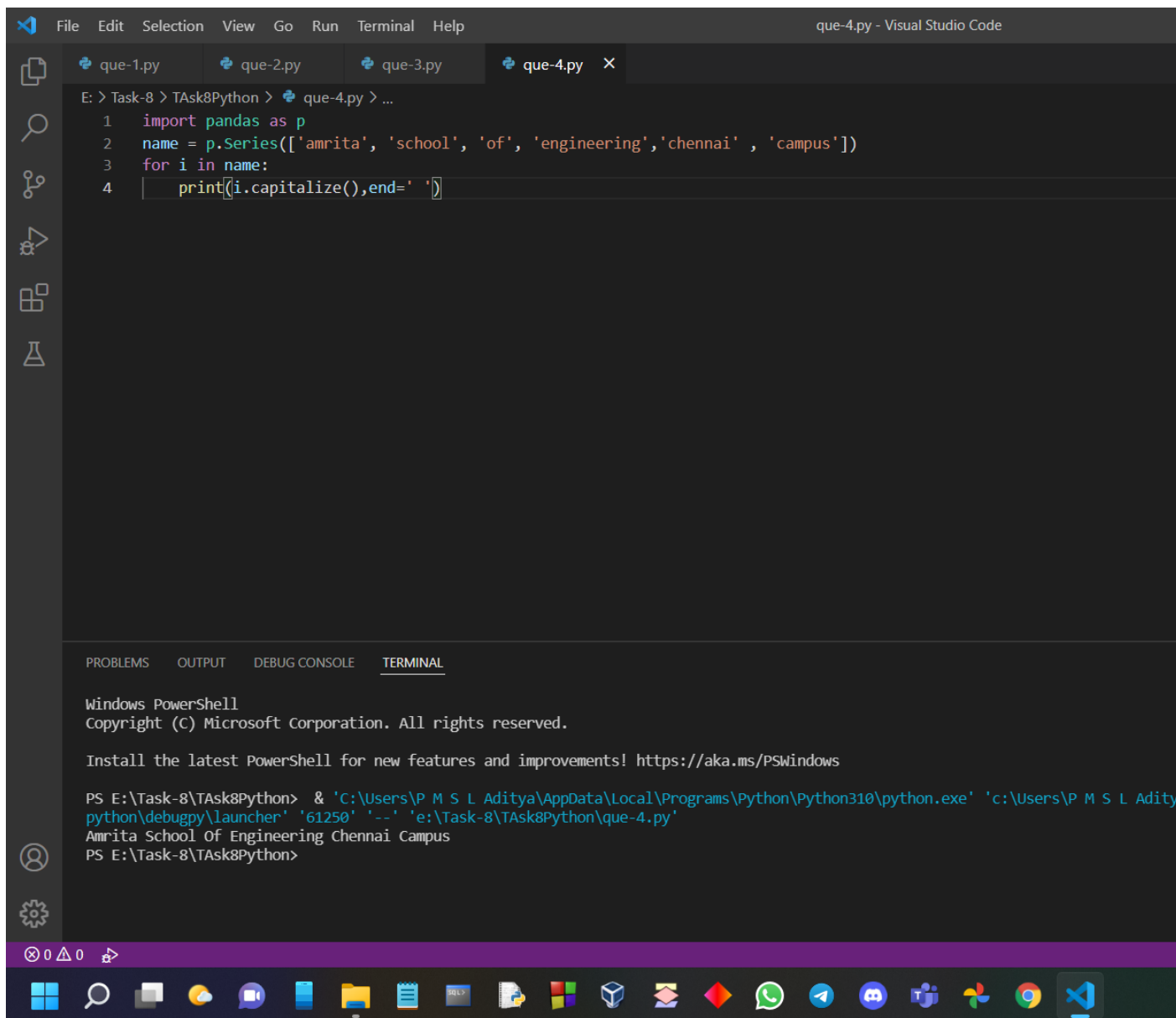
```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS E:\Task-8\Task8Python> & 'C:\Users\P M S L Aditya\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\P M S L Aditya\python\debugpy\launcher' '61242' '--' 'e:\Task-8\Task8Python\que-3.py'
nan
True
False
nan
False
PS E:\Task-8\Task8Python>
```

The Windows taskbar is visible at the bottom of the screen, showing various application icons.

Question-4:



Question-5:

