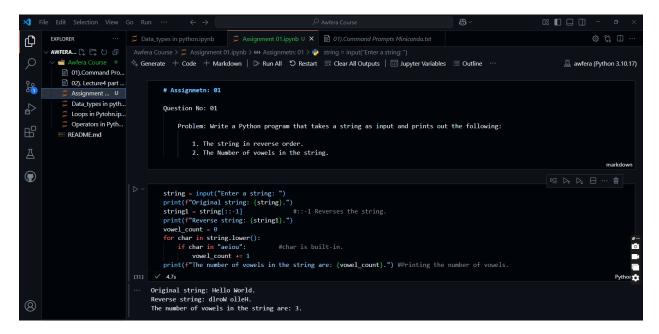
### **Question No: 01**



# **Question No: 02**

```
Question No: 02

Create a Python program that:

Takes an input number from the user.
Checks whether the number is even or odd.
Prints the result.

markdown

even_odd = int(input("Enter a Number: "))
if even_odd % 2 == 0:
print(f"The {even_odd} number is Even.")
else:
print(f"The {even_odd} number is Odd.")

7.5s

Python

The 5 number is Odd.
```

#### **Question No: 03**

First create sortenv environment by using command → conda create – n sortenv python= 3.10 or 3.11 etc.

```
Anaconda Prompt - conda activate sortenv

(base) C:\Users\Hammadullah>E:

(base) E:\>cd Python Programming/Awfera Course

(base) E:\Python Programming\Awfera Course>conda activate awfera

(awfera) E:\Python Programming\Awfera Course>code .

(awfera) E:\Python Programming\Awfera Course>conda create -n sortenv python=3.10

Retrieving notices: done

Channels:
- conda-forge
- defaults

Platform: win-64

Collecting package metadata (repodata.json): done

Solving environment: done
```

# **Install numpy library**

```
(awfera) E:\Python Programming\Awfera Course>conda activate sortenv

(sortenv) E:\Python Programming\Awfera Course>code .

(sortenv) E:\Python Programming\Awfera Course>conda install numpy
```

## Then activate the environment and then code . press Enter button

```
Downloading and Extracting Packages:

Preparing transaction: done
Verifying transaction: done
Executing transaction: done

#

# To activate this environment, use

#

# Conda activate sortenv

#

# To deactivate an active environment, use

#

# conda deactivate

(awfera) E:\Python Programming\Awfera Course>conda activate sortenv

(sortenv) E:\Python Programming\Awfera Course>code .
```

```
⇔ (1) □ ··

Awfera Course > 💢 Assignment 01.ipynb > M+ Assignmetn: 01 > 🍨 input_str = input("Enter a list of integers: ")
🍫 Generate 🕂 Code 🕂 Markdown | ⊳ Run All 🖰 Restart 🚍 Clear All Outputs | 🛅 Jupyter Variables :≡ Outline ⋯
                                                                                                                                   a sortenv (Python 3.10.17)
     The 5 number is Odd.
         Question No: 03
             Create a Python program that:
                 Takes a list of integers as input.
                 Creates a new virtual environment called sortenv.
                 Installs a package (such as numpy) in the virtual environment.  \\
                 Sorts the list using a numpy method (numpy.sort()).
                 Prints the sorted list.
                                                                                                                                                 markdown
         input_str = input("Enter a list of integers: ")
int_list = list(map(int, input_str.split())) # Convert to list of integers
         import numpy as np
         sorted_array = np.sort(int_list) # Sort the list using numpy
         # 🚣 Step 5: Print the sorted list
         print(" ✓ Sorted list:", sorted_array)
      ✓ Sorted list: [1 2 5 8 9]
```