

Q1

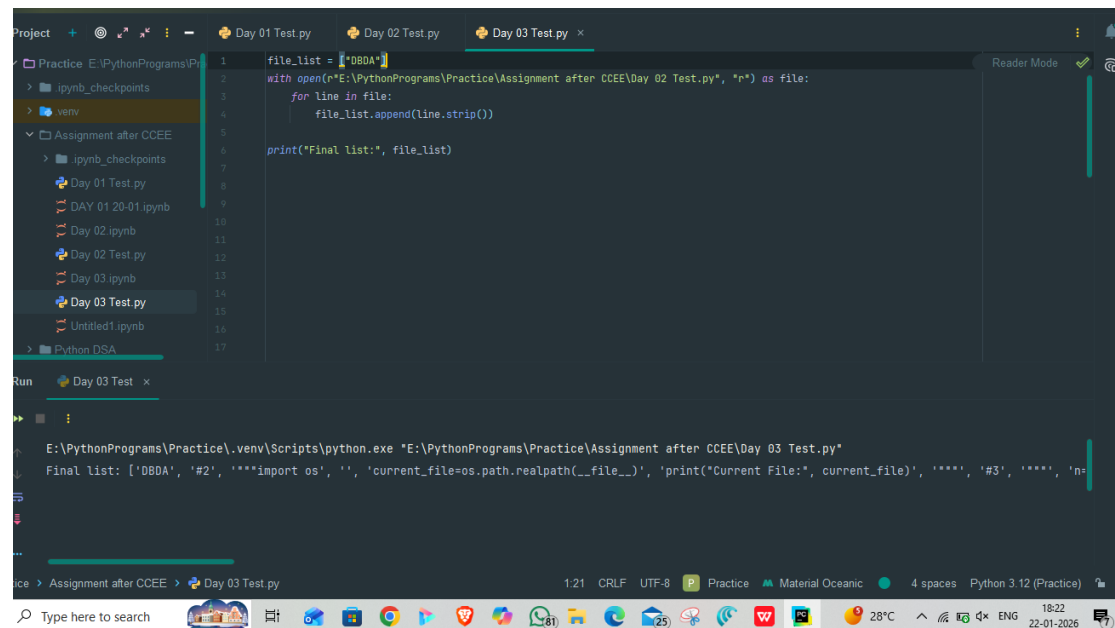
```
list = ["DBDA"]
```

```
with open(r"E:\PythonPrograms\Practice\Assignment after CCEE\Day 02  
Test.py", "r") as file:
```

```
    for line in file:
```

```
        list.append(line.strip())
```

```
print(list)
```



The screenshot shows a code editor with a project named "Practice" located at "E:\PythonPrograms\Practice". The file explorer on the left shows a directory structure with "ipynb_checkpoints", "venv", and "Assignment after CCEE". The "Assignment after CCEE" directory contains several files, including "Day 01 Test.py", "Day 02 Test.py", and "Day 03 Test.py". The "Day 03 Test.py" file is open in the editor, showing the following code:

```
1 file_list = ["DBDA"]
2 with open(r"E:\PythonPrograms\Practice\Assignment after CCEE\Day 02 Test.py", "r") as file:
3     for line in file:
4         file_list.append(line.strip())
5
6 print("Final list:", file_list)
```

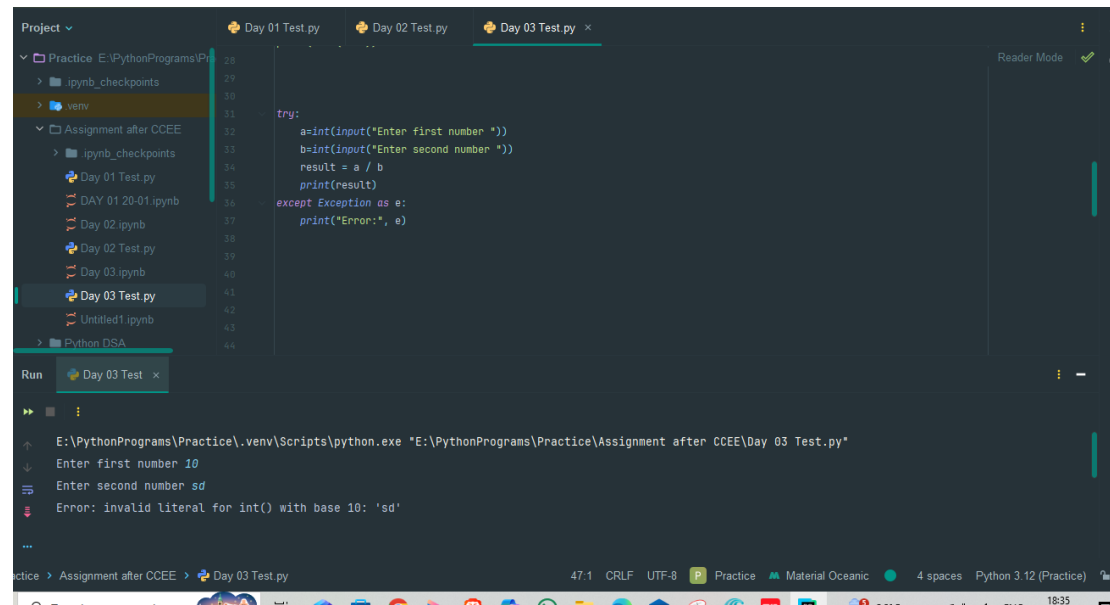
The "Run" panel at the bottom shows the output of the script:

```
E:\PythonPrograms\Practice\.venv\Scripts\python.exe "E:\PythonPrograms\Practice\Assignment after CCEE\Day 03 Test.py"
Final list: ['DBDA', '#2', '***import os', ' ', 'current_file=os.path.realpath(__file__)', 'print("Current File:", current_file)', '***', '#3', '***', 'n=']
```

The status bar at the bottom indicates the file is encoded in UTF-8, has 4 spaces, and is using Python 3.12 (Practice). The system tray shows the date and time as 18:22 on 22-01-2025.

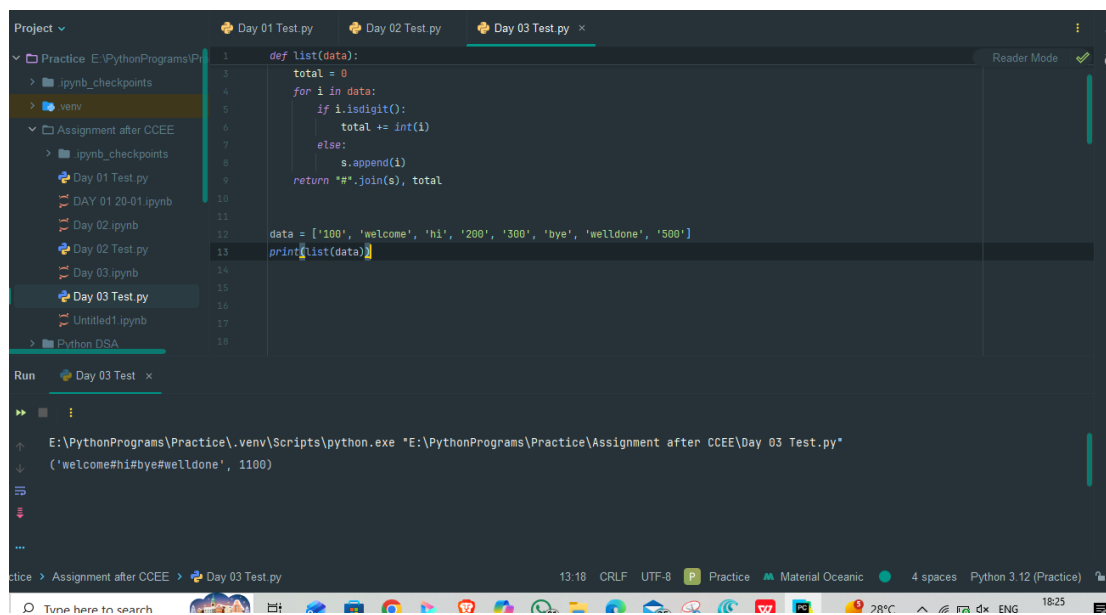
try:

```
a=int(input("Enter first number "))
b=int(input("Enter second number "))
result = a / b
print(result)
except Exception as e:
    print("Error:", e)
```



Q3

```
def list(data):  
    s = []  
    total = 0  
    for i in data:  
        if i.isdigit():  
            total += int(i)  
        else:  
            s.append(i)  
    return "#".join(s), total
```



The screenshot shows a code editor with a file explorer on the left and a run console at the bottom. The file explorer shows a project structure with folders like 'Practice', 'ipynb_checkpoints', and 'venv'. The code editor displays the following Python code:

```
1 def list(data):  
2     total = 0  
3     for i in data:  
4         if i.isdigit():  
5             total += int(i)  
6         else:  
7             s.append(i)  
8     return "#".join(s), total  
9  
10  
11  
12 data = ['100', 'welcome', 'hi', '200', '300', 'bye', 'welldone', '500']  
13 print(list(data))  
14  
15  
16
```

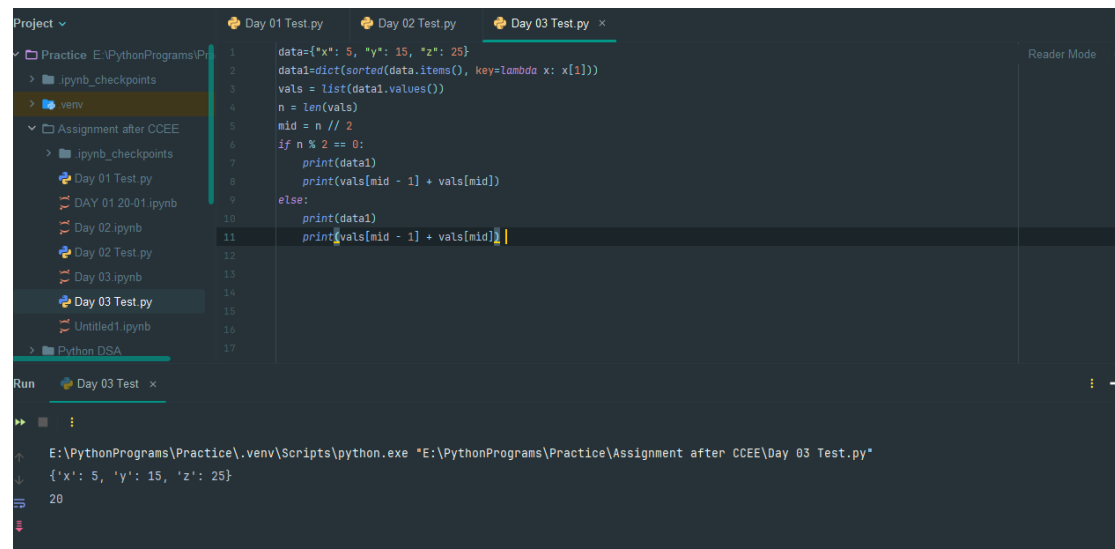
The run console shows the output of the code:

```
E:\PythonPrograms\Practice\.venv\Scripts\python.exe "E:\PythonPrograms\Practice\Assignment after CCEE\Day 03 Test.py"  
( 'welcomehi#bye#welldone', 1100)
```

The status bar at the bottom indicates the file is 'Day 03 Test.py', the encoding is 'UTF-8', and the Python version is 'Python 3.12 (Practice)'.

Q4

```
data={"x": 5, "y": 15, "z": 25}
data1=dict(sorted(data.items(), key=lambda x: x[1]))
vals = list(data1.values())
n = len(vals)
mid = n // 2
if n % 2 == 0:
    print(data1)
    print(vals[mid - 1] + vals[mid])
else:
    print(data1)
    print(vals[mid - 1] + vals[mid])
```



```
Project ▾
  Practice E:\PythonPrograms\Pr
    > .ipynb_checkpoints
    > .venv
    > Assignment after CCEE
      > .ipynb_checkpoints
        Day 01 Test.py
        DAY 01 20-01.ipynb
        Day 02.ipynb
        Day 02 Test.py
        Day 03.ipynb
        Day 03 Test.py
        Untitled1.ipynb
      > Python DSA

Run Day 03 Test.py ×
  E:\PythonPrograms\Practice\.venv\Scripts\python.exe "E:\PythonPrograms\Practice\Assignment after CCEE\Day 03 Test.py"
  {'x': 5, 'y': 15, 'z': 25}
  20
```