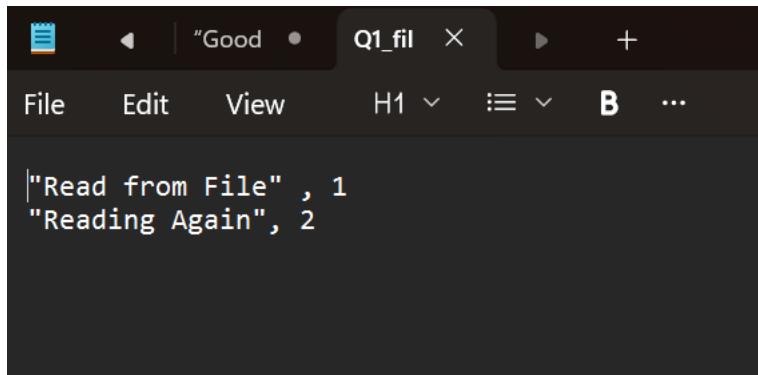


Q.1) Write a code to Read a file and append lines to a list.

File content ->



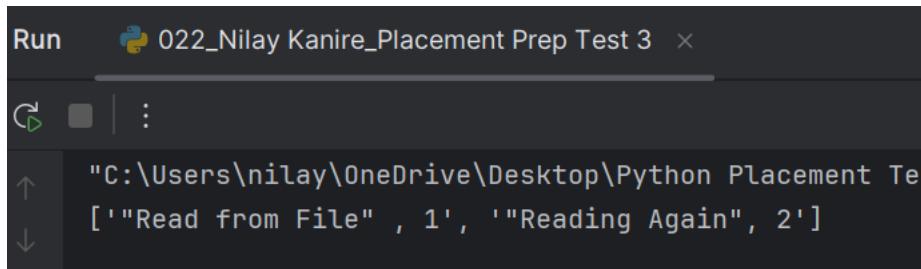
The screenshot shows a code editor window titled "Q1_fil". The menu bar includes "File", "Edit", "View", "H1", "B", and "...". The main area displays the following text:

```
"Read from File" , 1
"Reading Again", 2
```

Code

```
path = "D:\\downloads\\Q1_file.txt"
lines_list = []
with open(path, 'r') as file:
    for line in file:
        lines_list.append(line.strip())
print(lines_list)
```

#Output ->



The screenshot shows a terminal window titled "Run" with a Python icon. The command "022_Nilay Kanire_Placement Prep Test 3" is listed. The output pane shows the following text:

```
"C:\\Users\\nilay\\OneDrive\\Desktop\\Python Placement Test 3"
['"Read from File" , 1', '"Reading Again", 2']
```

Q.2) Write a code to catch an Exception in python?

```
num = 10
deno = 0

try:
    div = 10/0
except Exception as e:
```

```
print("Exception handled: ", e)  
  
print("Done")
```

Output ->

```
... :  
"C:\Users\nilay\OneDrive\Desktop\Python Place  
Handled the exception  division by zero  
Done  
  
Process finished with exit code 0
```

Q.3) Write a Python function that accepts a list containing strings and integers.
Merge all string elements using # and add all integer elements.

e.g.
input list is
['100', 'welcome', 'hi', '200', '300', 'bye', 'welldone', '500']

Output should be:
welcome#hi#bye#welldone#
1100

Q.4) Write a script to sort a dictionary based on its values and find the sum of middle two values

```
input_dict = {"x": 5, "y": 15, "z": 25}  
Output:  
Sorted Dictionary: {'x': 5, 'y': 15, 'z': 25}
```

Sum of middle two values: $15 + 5 = 20$

or

```
input_dict = {"x": 5, "y": 15, "z": 25, "p": 12}  
Output:  
Sorted Dictionary: {'x': 5, 'p': 12, 'y': 15, 'z': 25}
```

Sum of middle two values: $12 + 15 = 27$

```
input_dict1 = {"x": 5, "y": 15, "z": 25}  
sorted_dict1 = dict(sorted(input_dict1.items(), key=lambda item: item[1]))  
input_dict2 = {"x": 5, "y": 15, "z": 25, "p": 12}  
sorted_dict2 = dict(sorted(input_dict2.items(), key=lambda item: item[1]))
```

```
print("Sorted Dictionary 1 :", sorted_dict1)
values1 = list(sorted_dict1.values())
middle_values = values1[len(values1)//2 - 1 : len(values1)//2 + 1]
print("Sum of middle two values of Dictionary 1:", sum(middle_values))

print("\n Sorted Dictionary 2:", sorted_dict2)
values2 = list(sorted_dict2.values())
middle_values = values2[len(values2)//2 - 1 : len(values2)//2 + 1]
print("Sum of middle two values of Dictionary 2:", sum(middle_values))

# Output ->
```

```
"C:\Users\nilay\OneDrive\Desktop\Python Placement Test\.venv\Scripts\python.exe" "C:/Users/nilay/OneDrive/Desktop/Python Placement Test/022_Nilay_Kanire_Placement Prep Test 3.py"
Sorted Dictionary 1 : {'x': 5, 'y': 15, 'z': 25}
Sum of middle two values of Dictionary 1: 20
Sorted Dictionary 2 : {'x': 5, 'p': 12, 'y': 15, 'z': 25}
Sum of middle two values of Dictionary 2: 27
Process finished with exit code 0
```