# PLACEMENT PREP 3

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

```
file_path = 'example.txt'
lines_list = []
with open(file_path, 'r') as file:
    for line in file:
        lines_list.append(line.strip())
print(lines_list)
```

```
/OneDrive/Desktop/PYTHON/042_Sanket_Pingle_placement_prep3.py
['Vamos Argentine', 'Visca Barcelona', '']
PS C:\Users\Sanket\OneDrive\Desktop\PYTHON>
```

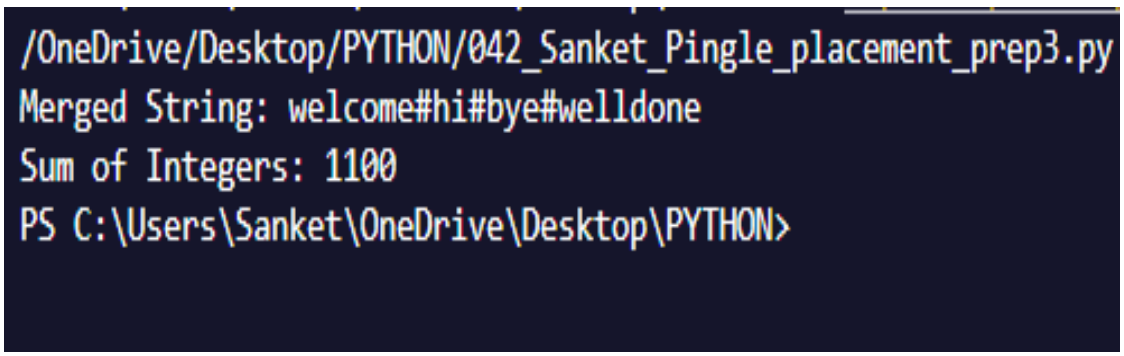
***##Q.2) Write a code to catch an Exception in python?***

```
try:
    result = 10 / 0
except ZeroDivisionError as e:
    print(f"This Exception is: {e}")
```

```
/OneDrive/Desktop/PYTHON/042_Sanket_Pingle_placement_prep3.py
This Exception is: division by zero
PS C:\Users\Sanket\OneDrive\Desktop\PYTHON>
```

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

```
lst = [100, 'welcome', 'hi', 200, 300, 'bye', 'welldone', 500]
def merge_sum(lst):
  strings = []
  total = 0
  for item in lst:
      if isinstance(item, str):
          strings.append(item)
      elif isinstance(item, int):
          total += item
  merged = '#'.join(strings)
  return merged, total
merged, total = merge_sum(lst)
print(f"Merged String: {merged}")
print(f"Sum of Integers: {total}")
```



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

```
my_dict = {'a': 10, 'b': 5, 'c': 20, 'd': 15}

sorted_values = sorted(my_dict.values())

print(f"Sum of sorted values: {sorted_values}")

middle_values = sorted_values[len(sorted_values)//2 - 1:len(sorted_values)//2 + 1]

print(f"Sum of middle two values: {sum(middle_values)}")
```