PYTHON LOGIC TEST – 22/01/26

Question1)

```
list1 =[]
with open("myfile.txt","r") as file:
    for line in file:
        list1.append(line)
print(list1)
```

OUTPUT:

```
C:\Users\NIDHI\AppData\Local\Programs\Python\Python310\python.exe "D:\PYTHON FILES\practice.py"
['hello\n', 'how are you guys?\n', 'bye\n', '\n', 'hii\n', 'im fine \n', 'wby??\n', 'byee\n', 't|

Process finished with exit code 0
```

Question2)

```
var = 10
try:
    print(var/0)
except ZeroDivisionError:
    print("Can't divide the number by zero")
print("done")
```

OUTPUT:

```
C:\Users\NIDHI\AppData\Local\Programs\Python\Python310\python.exe "D:\PYTHON FILES\practice.py"
Can't divide the number by zero
done

Process finished with exit code 0
```

Question3)

```
mylist = []
def list_function():
    string = input("Enter a string: ")
    mylist.append(string.split(","))
    print(mylist)
```

```
    for i in mylist:
        sum = 0
        if type(i) == int:
            sum = sum+i
        else:
            result = "#".join(i)
        print(result,sum)


list_function()
```

OUTPUT:

```
C:\Users\NIDHI\AppData\Local\Programs\Python\Python310\python.exe "D:\PYTHON FILES\practice.py"
Enter a string: 100,welcome,hi,200,300,bye,welldone,500
[['100', 'welcome', 'hi', '200', '300', 'bye', 'welldone', '500']]
100#welcome#hi#200#300#bye#welldone#500 0

Process finished with exit code 0
```

Question4)

```
d = {}
no = int(input("enter the number of key:value pair to be inserted: "))
for i in range(no):
    key = input("Enter the key:")
    value = int(input("Enter the values:"))
    d[key] = value
print(d)
sort_d = dict(sorted(d.items() , key=lambda item: item[1]))
print("Sorted Dictionary:")
print(sort_d)

values = list(sort_d.values())
n = len(sort_d)
if n==0:
    print("The dictionary is empty")
elif n%2 == 0:
    result = values[(n//2)-1]+values[n//2]
    print("Sum of middle two values",result)
elif n%2 == 1:
    result = values[n//2]
    print("Middle value is: ",result)
```

OUTPUT:

```
C:\Users\NIDHI\AppData\Local\Programs\Python\Python310\python.exe "D:\PYTHON FILES\practice.py"
enter the number of key:value pair to be inserted: 4
Enter the key:a
Enter the values:6
Enter the key:b
Enter the values:8
Enter the key:c
Enter the values:2
Enter the key:d
Enter the values:4
{'a': 6, 'b': 8, 'c': 2, 'd': 4}
Sorted Dictionary:
{'c': 2, 'd': 4, 'a': 6, 'b': 8}
Sum of middle two values 10

Process finished with exit code 0
```