

ASSIGNMENT 8

Q1.Create two lists numbers and multiplier. Scan through multiplier list, take each of the 'value' and multiply the number from numbers list at the position equals to index of 'value' by it. If multiplier list exhausts before numbers, handle the exception with following message:"Program halted since multiplier list exhausted".If either of the list name is referred incorrectly, print the message "Sorry, this list does not exist".At the end print the message "Multiplication of two lists is done."

```
[ ] numbers=[1,2,3,4,5]
    multiplier=[1,2,3]
    try:
        for i in range(len(numbers)):
            mult=numbers[i]*multiplier[i]
            print(mult)
    except IndexError:
        print("Program halted since multiplier list exhausted")
    except NameError:
        print("Sorry,this list does not exist")
    finally:
        print("Multiplication of two list done")
```

```
1
4
9
Program halted since multiplier list exhausted
Multiplication of two list done
```

Q2.Write a program to add two values 'a'and 'b'. An integer value is assigned to 'a'. However,while defining 'b', by mistake it was enclosed in quotes by programmer.Handle the exception so that 'b'can be added with integer value 'a'. (Note: b can be integer or float enclosed in quotes. Display appropriate messages. Use nested exception handling.)

```
[ ] a=5
    b='5'
    try:
        sum=a+b
    except TypeError:
        print("Cannot add integer and string!")
        print("Converting string type to float")
        b=float(b)
    finally:
        sum=a+b
        print(sum)
```

```
Cannot add integer and string!
Converting string type to float
10.0
```