PROGRAMMING EXERCISE

Q.1 It is possible to catch multiple (different) exceptions that may be raised in a Try block using multiple (or a series of) except blocks. For example we can write two Except blocks; one for catching an IndexError and the second is for catching ArthmaticError. Remember that the IndexError is raised when an element of an array whose index is out of the range of the array is accessed. An out of range index can be either less than zero or greater than or equal to the size of the array.

Input:

```
l1=[1,2,3,4,5]
l2=[0,2,3,0,5]
for i in range(4):
    try:
        a=l1[i]/l2[i]
        print("result",a)

    except ArithmeticError:
        print("error raised value in points")
    except IndexError:
        print("cant divide by zero")
```

Output:

error raised value in points

result 1.0

result 1.0

error raised value in points

Q.2.Design a python program to demonstrate EOFError by using Try-Except Block.

Input:

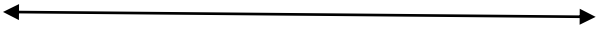
```
try:
    a=input("Enter name")
    print(a)
except EOFError:
    print("EOF Error occurred")
```

Output:

Enter name ^f

^f

EOF Error occurred



Q.3 Design a python program to demonstrate IndentationError by using Try-Except Block.

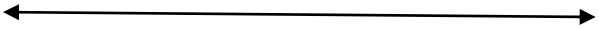
Input:

```
try:
    def name():
    a=input("enter name")
          print(a)
name()

except IndentationError:
    print("indentation error occured")
```

Output:

indentation error occurred



Q.4Design a python program to demonstrate IOError by using Try-Except Block.

Input:

```
def name():
    try:
        a=input("enter name")
    print(a)
name()
except IOError:
print("I0Error raised")
```

Output:

IOError raised