Lab assignment 7

Write a Python program to handle a ZeroDivisionError exception when dividing a number by zero.

Ans:

```
File Edit Selection View Go ...
                                                                                numpy4.py
                                               e class1.py
                                                             exception1.py ×
   EXPLORER
                          exception1.py > ...

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                                def division():
      e mat1.py
   > pandas
                                    try:
                                        a = int(input("enter a value: "))
   > tables
                                       b = int(input("enter b value: "))
     abc.txt
                                       res = a/b
     e areas.py
                                       print(res)
     arithmeticop.py
                                   except:
     assignmentop.py
                                       print("don,t divide any number by zero")
                                division()
     bitwiseop.py
     captolowercase.py
                         58
     e class1.py
     countoddeven.py
     datatype.py
     defaultparam.py
     example2.csv
     exception1.py
     👶 file1.py
     e forloop.py
     e forloopitertoo.py
     렺 game.py
⊗ 0 △ 0 😭 0 🕏 Live Share
```

Write a Python program that prompts the user to input an integer and raises a ValueError exception if the input is not a valid integer.

Ans:

```
File Edit Selection View Go
   EXPLORER
                                 numpy4.py
                                                 e class1.py
                                                                 exception1.py X
                                                                                    🝦 exception1.py > 🕅 odd
                                 def even():

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                                     print("even number program")
      nat1.py
   > pandas
                                         n = int(input("enter nth term: "))
   > tables
                                         for i in range(1,n):
     abc.txt
                                             if i%2==0:
                                                 print(i,end = " ")
     areas.py
     arithmeticop.py
                                     except:
                                         print("please enter integer value dont type string value
     assignmentop.py
     e bitwiseop.py
                                 def odd():
     captolowercase.py
                                     print("odd number program")
     class1.py
                                     n = int(input("enter nth term: "))
     countoddeven.py
                                     for i in range(1,n):
                                          if i%2==1:
                            15
     datatype.py
                                             print(i,end = " ")
     defaultparam.py
     example2.csv
                                 even()
     exception1.py
                                 odd()
     🔷 file1.py
```

```
PS D:\python> python -u "d:\

python\exception1.py"

even number program

enter nth term: ten

please enter integer value d

ont type string value

odd number program

enter nth term: □

Python 3.12.4 64-bit  © Go Live  ○ Prettier □
```

Write a Python program that opens a file and handles a FileNotFoundError exception if the file does not exist.

Ans:

```
File Edit Selection View Go ···
                                                                numpy4.py
                                             e class1.py
                                                            exception1.py X
                         exception1.py > 🕅 readData
   mat1.py
                               def readData():
    > pandas
                                   fileName = input("enter your file with extension: ")
   > tables
                                     fopen = open(fileName,"r")
                                      data =fopen.read().split()
     areas.py
                                      for i in data:
     arithmeticop.py
                                      print(i,end=" ")
     assignmentop.py
                                      fopen.close()
     e bitwiseop.py
                                      print("file not found in memory")
     captolowercase.py
     e class1.py
                               readData()
     countoddeven.py
     datatype.py
```

Write a Python program that prompts the user to input two numbers and raises a TypeError exception if the inputs are not numerical:

Ans:

