Experiment-4 Theory-Exceptions in python are corose that occur the Bornal working of Program. > Types of expertions. Type Expos: - Paised when an operation as function is applied to an object of inappropriete tilse. 3) Value Foros: - Raised when an open function secreves an argument of correct type but an innapropriate value. 3) &FILE NOTFOUND Essor: Raised when trying to perform operations an a file that does not pxist. 4) Index Fosox - Raised when sequence subgrip es out of sange. 5) Zeso Division Excor: Paised when division or modulo by Ois encountered FOR EDUCATIONAL USE Sundaram

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Exp4.py - C:\asg\Python\Exp4.py (3.11.2)
                                                                                                                                                                                                                                                                                                                                                       - o ×
File Edit Format Run Options Window Help
print("Sharan Shetty 60004220224")
 int_value = int(input("Enter Number:"))
except ValueError as ve:
    print(f"Caught ValueError: {ve}")
       immer = int(input("Enter Numerator:"))
denom = int(input("Enter Denominator:"))
result = numer / denom
print(result)
print(result)
print(gresult)
print(gresult)
print(gresult)
      y:
a list = [1, 2, 3, 4, 5]
print(a list)
i = int(input("Enter index:"))
print(a list[i])
copt indexError as ie:
print(f"Caught IndexError: [ie}")
 try:
    with open("nonexistent file.txt", "r") as file:
        content = file.read()
except FileNotFoundError as fnfe:
       print(f"Caught FileNotFoundError: {fnfe}")
 try:
   import nonexistent_module
   except ModuleMotFoundError as e:
    print(f"Caught ModuleNotFoundError: (e)")
   class AgeOfMinorException(Exception):
    def __init__(self, message):
        super().__init__(message)
        self.message = message
 age = int(input("Enter Age to cast vote:"))
try:
    if age < 18:
        raise AgeOfMinorException("You cannot vote. Your Age is less than 18 and you are a Minor")
      raise AgeOfMinorExcept:
else:
print("You can vote.")
                                                                                                                                                                                                                                                                                                                                                                                               Ln: 1 Col: 34
Exp4.py - C:\asg\Python\Exp4.py (3.11.2)
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 File Edit Format Run Options Window Help
except ValueError as ve:
print(f"Caught ValueError: {ve}")
       mumer = int(input("Enter Numerator:"))
denom = int(input("Enter Denominator:"))
result = numer / denom
print(result)
print(result)
pert SeroDivisionError as zererr:
print(f"caught BeroDivisionError: [zererr)")
  try:
    a_list = [1, 2, 3, 4, 5]
    print(a_list)
    i = int(input("Enter index:"))
    print(a_list[i])
except IndexFror as ie:
    print(f"Caught IndexError: [ie]")
 try:
    with open("nonexistent file.txt", "r") as file:
        content = file.read()
except FileNotFoundError as fnfe:
        print(f"Caught FileNotFoundError: {fnfe}")
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    import nonexistent module
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try:
    if age < 18:
        raise AgeOfMinorException("You cannot vote. Your Age is less than 18 and you are a Minor")
 Ealse myevanaments
else:
print("You can vote.")
except AgeOfMinorException as ageex:
print("Caught AgeOfMinorException: (ageex.message)")
                                                                                                                                                                                                                                                                                                                                                                                                Ln: 1 Col: 34
```