

Papers Dock

PYTHON

9618

EXCEPTION HANDLING

What is meant Exception ?



It is an unplanned event and a situation causing a crash

What are the situations where an exception handling routine would be required ?

What are the situations an exception handling routine ? would be required ?

Division by Zero

Runtime Error

File Does Not Exist

Invalid Array Index

Invalid Input

Describe the benefit of using exception handling in a program

The program will not crash

Results does not cause further errors

Appropriate error message

Exception Handling conditions are identified

Improve readability

Syntax Of Exception Handling

try:

Code which might
Contain Exception

except:

print("Customised Error")

```
try:
    num = int(input("Enter the number: "))
    print(num)
except:
    print("Wrong Input, Kindly write the integer value")
```

(c) The text file, `Progress.txt`, stores data about the player's previous progress.

The procedure `LoadGame()`:

- opens the text file in read mode
- takes the data from the file and stores the data in the variable `GameData`
- raises an exception with an appropriate message output if it cannot find the file.

Write **program code** for the procedure `LoadGame()`.

[6]

```
try:
    File = open("Progress.txt", "r")
    GameData = File.read()
    File.close()
except:
    print("File Does Not Exist")
```



```
try:
    File = open("Progress.txt", "r")
    GameData = File.read()
    File.close()
except:
    print("File Does Not Exist")

try:
    num = int(input("Enter the number: "))
    print(num)
except:
    print("Integer only")
```

Specific Exception

```
try:  
    num = int(input("Enter the Number:"))  
    print(num)  
except ValueError:  
    print("Integer Only")
```

ValueError

```
try:  
    num = 5/0  
    print(num)  
except ZeroDivisionError:  
    print("Can not divide by Zero")
```

ZeroDivisionError

```
try:  
    file = open("StackData.txt", "r")  
except IOError:  
    print("File Does NOt Exist")
```

IOError