# Exception Handling

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Put the problematic code in try block

Try must be followed by at least one except or more except

Except is followed by exceptions or errors

**IF u want common handling for multiple exceptions**

except ( StopIteration , RunTimeError ) :
Regenerate the generation

IF u want different handling code for multiple exceptions

except StopIteration :
Code
except RunTimeError:
Different code

In case of multiple except to same try =

The first matching except will run !!!!
SO the subclass Exceptions must be on upper except
and super class Exceptions must be on lower except

Exception is the super most class on the hierarchy

If we want to have raise exception then use the **raise** keyword

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```
try:
    x=34/0
except Exception as e :
    print("A1")
except ZeroDivisionError as e1:
    print("A2")


try:
    raise   Exception("This is my exception")
except Exception as e :
    print(e)
print("end of program")


#user defined exception
class MyException(Exception):
    def __init__(self):
        super().__init__("The person is a minor")


raise MyException()
```

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HW

Write a class Employee

Properties

__init__

Name

If user enters age below 18 or above 80 then raise not suitable age exception

Age

show

show the values of name and age

changeAge

If user enters age below 18 or above 80 then raise not suitable age exception

Write a user defined exception for UnsuitableAge

Put the Exception and the Employee class in different files

Write a file user.py ----- import the other two modules here

employees list

menu

1. create Employee --- add to list

Cannot add employee

2. change age --- change age of particular employee

Try catch exception ---- cannot change age

3. show details of all employees

4 quit