

Python Exception

Exceptions handling in python is very similar to java.the code,which harbours risk of an exception,is embedded in a try block,but whereas in java exceptions are caught by catch clauses,we have statements introduced by an "except" keyword in python.it is possible to exceptions - with the raise statements it's possible to force a specified exception to occur.

Example

```
while True:
    try:
        a = raw_input("Please enter an integer: ")
        a = int(a)
        break
    except ValueError:
        print("No valid integer")
print "you entered an integer!"
```

Multiple Except Clauses

A try statements may have more than one except for different exceptions,but at most one except clause will be executed.In this example we discuss on IOError and ValueError.

```
try:
    file = open('test.txt')
    s = file.readline()
    i = int(s.strip())
except IOError as (errno, strerror):
    print "I/O error({0}): {1}".format(errno, strerror)
except ValueError:
    print "No valid integer in line."
except:
    print "Unexpected error:", sys.exc_info()[0]
    raise
```