Contents

1 Exceptions

SyntaxError Python cant parse program

NameError Local or global name not found

AttributeError Attribute refrence fails

Type Error Operator doesnot have the correct type

IOError IO system report malfunction

2 What to do with the Exception

- **Stop** Execution , signal error conditon
- in python **Raise an exception** *raise Exception ("descriptive String")*

3 Dealing with Exceptions

1. try-except block

```
try:
   # <statements>
   # <statements>
   # <statements>
except :
   # excuted when try block raise any kind of exceptions
   # <statements>
#executed when try else block finishes of executions
#<statements>
#<statements>
#<statements>
```

1. use seperate clauses to deal with particular type of exceptions

```python
try:
    # <statements>
    # <statements>
    print('1'/0)
except ValueError :
    # executed if try block has Value error
    # <statements>
    # <statements>
    print("try block has value error")
except ZeroDivisionError :
    # executed if try block has zeroDivisionError
    # <statements>
    # <statements>
    # <statements>
    print("cannot devide by zero")
except :
    # executed if try block has error other
    # than ValueErro and ZeroDivisionError
    # <statements>
    # <statements>
   print("all other kind of error ")
# executed when try-except block has finished executing
#<statements>
#<statements>
print("outside try except block")
```