(MASTERCLASS)_09_NOV_2021

In [2]:
```
print(y)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-2-d9183e048de3> in <module>
----> 1 print(y)

NameError: name 'y' is not defined
```

In [3]:
```
try:
    print(y)
except NameError:
    print("Variable y is not defined")
```

```
Variable y is not defined
```

In [4]:
```
y=10
try:
    print(y)
except NameError:
    print("variable y is not defined")
except:
    print("wrong")
```

```
10
```

In [5]:
```
x = -11

if x < 0:
    raise EXception("number below zero")
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-5-d2bad3e103d0> in <module>
      2
      3 if x < 0:
----> 4     raise EXception("number below zero")

NameError: name 'EXception' is not defined
```

In [9]:
```
x = 11

if x < 0:
    raise EXception("number below zero")
else:
    print(x)
```

```
11
```

In [6]:
```
z = "Raushan"

if not type(z) is int:
    raise TypeError("Only integers are allowed")
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-6-5a62caa28574> in <module>
      2
      3 if not type(z) is int:
----> 4     raise TypeError("Only integers are allowed")

TypeError: Only integers are allowed
```

In [27]:

```
def func1(a):
    if a < 4:
        b = a/(a-2)

    print("Value of b = ", b)

try:
    func1(2)
    #func1(6)

except ZeroDivisionError:
    print("ZeroDivisionError")
except NameError:
    print("NameError")
```

```
ZeroDivisionError
```

In [29]:

```
def func1(a):
    if a < 4:
        b = a/(a-2)

    print("Value of b = ", b)

try:
    #func1(2)
    func1(6)

except ZeroDivisionError:
    print("ZeroDivisionError")
except NameError:
    print("NameError")
```

```
NameError
```

In [30]:

```
def func1(a):
    if a < 4:
        b = a/(a-2)

    print("Value of b = ", b)

try:
    #func1(2)
    func1(6)

except ZeroDivisionError:
    print("ZeroDivisionError")
except NameError:
    print("NameError, it should be less than 4")
```

```
NameError, it should be less than 4
```

In [36]:

```
try:
    a = int(input("Enter a:"))
    b = int(input("Enter b:"))
    c = a/b
    print("a/b = %d"%c)
except Exception as e:
    print("can't divide by zero")
    print(e)
else:
    print("Hi I am else blook")
```

```
Enter a:10
Enter b:1
a/b = 10
Hi I am else blook
```

In [38]:

```
try:
    a = int(input("Enter a:"))
    b = int(input("Enter b:"))
    c = a/b
    print("a/b = %d"%c)
```

```
except Exception as e:
    print("can't divide by zero")
    print(e)
else:
    print("Hi I am else blook")
```

```
Enter a:12
Enter b:0
can't divide by zero
division by zero
```

In [37]:

```
try:
    fileptr = open("file34.txt","r")
except IOError:
    print("File not found")
else:
    print("The file opened seccessfully")
    fileptr.close()
```

```
File not found
```

In [40]:

```
try:
    fileptr = open("file34.txt","r")
except IOError:
    print("File is not on the specified path OR file does not exists")
else:
    print("The file opened successfully")
    fileptr.close()
```

```
File is not on the specified path OR file does not exists
```

In [42]:

```
try:
    fileptr = open("test.txt","r")
except IOError:
    print("File is not on the specified path OR file does not exists")
else:
    print("The file opened successfully")
    fileptr.close()
```

```
The file opened successfully
```

In [48]:

```
try:
    a=10/0;
except(ArithmeticError, IOError):
    print("Arithmetic Exception")
else:
    print("successfully Done")
```

```
Arithmetic Exception
```

In [49]:

```
try:
    a=10/2;
except(ArithmeticError, IOError):
    print("Arithmetic Exception")
else:
    print("successfully Done")
```

```
successfully Done
```

In [54]:

```
try:
    age = int(input("Enter the age:"))
    if(age<18):
        raise ValueError
    else:
        print("the age is valid so you can vote")
except ValueError:
    print("the age is not valid it is under 18 so you are not able to vote in this electon")
```

```
Enter the age:17
```

```
Enter the age:17
the age is not valid it is under 18 so you are not able to vote in this electon
```

In [55]:
```
try:
    age = int(input("Enter the age:"))
    if(age<18):
        raise ValueError
    else:
        print("the age is valid so you can vote")
except ValueError:
    print("the age is not valid it is under 18 so you are not able to vote in this electon")
```

```
Enter the age:18
the age is valid so you can vote
```

In [58]:
```
try:
    print(s)
except:
    print("Something went wrong")
finally:
    print("The 'try except' is finished")
```

```
Something went wrong
The 'try except' is finished
```

In [59]:
```
s=37
try:
    print(s)
except:
    print("Something went wrong")
finally:
    print("The 'try except' is finished")
```

```
37
The 'try except' is finished
```

In [61]:
```
import os
if os.path.exists("test.txt"):
    print("The file opened successfully")
else:
    print("File is not on the specified path OR file does not exists")
```

```
The file opened successfully
```

In [62]:
```
import os
if os.path.exists("file64.txt"):
    print("The file opened successfully")
else:
    print("File is not on the specified path OR file does not exists")
```

```
File is not on the specified path OR file does not exists
```

In [64]:
```
f1=open("test3.txt",'w')
f1.write("Great this is CSE")
f1.close()
f2=open("test4.txt",'w')
f2.write(" Do great things ")
f2.close()
with open("test3.txt",'r') as firstfile, open("test4.txt",'r') as secondfile, open("test1.txt",'w') as thirdfile:
    line1=firstfile.read()
    line2=secondfile.read()
    thirdfile.write(line1 + line2)
thirdfile = open("test1.txt",'r')
thirdfile.read()
```

Out[64]:
```
'Great this is CSE Do great things '
```

In [65]:
```
import keyboard
```

```
---------------------------------------------------------------------------
ModuleNotFoundError                       Traceback (most recent call last)
<ipython-input-65-f0d8a51b726e> in <module>
----> 1 import keyboard

ModuleNotFoundError: No module named 'keyboard'
```

In [66]:
```
ages = {'Raushan': 17, 'dhoni': 41, 'honeysingh':37}
person = input("Age")

try:
    print("valid years old")
except keyError:
    print(f"{person}'s age is unknown.s")
```

```
AgeRaushan
valid years old
```

In [69]:
```
ages = {'Raushan': 17, 'dhoni': 41, 'honeysingh':37}
person = input('Get age for: ')

try:
    print(f'{person} is {ages[person]} years old.')
except keyError:
    print(f"{person}'s age is unknown.s")
```

```
Get age for: Raushan
Raushan is 17 years old.
```

In [80]:
```
ages = {'Raushan': 17, 'Dhoni': 41, 'virat': 36}
person = input('Get age for: ')

try:
    print(f'{person} is {ages[person]} years old.')
except KeyError:
    print(f"{person}'s age is unknown.")
```

```
Get age for: Rudresh
Rudresh's age is unknown.
```

>>"Raushan Raj"<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

DATE = 09 -11 -2021

In [ ]:
```

```