

# error handling

```
In [1]: 1 # try: (try block lets you test block of code)
        2
        3 # except: (lets you handle error)
        4
        5 # else: (optional)
        6
        7 # finally: (lets you execute code,it always runs irrespective o
```

```
In [2]: 1 try:
        2     print(x)
        3 except:
        4     print("something went wrong")
        5 finally:
        6     print("try except block is finished, its done")
```

something went wrong  
try except block is finished, its done

```
In [10]: 1 y = 10
        2
        3 try:
        4     print(y)
        5 except:
        6     print("something went wrong")
        7 finally:
        8     print("try except block is finished, its done")
```

10  
try except block is finished, its done

```
In [13]: 1 try:
        2     value = int(input("type a number between 1 and 10 : "))
        3 except:
        4     print("you must enter a digit !!!!!")
        5 else:
        6     if (value>0) and (value<=10):
        7         print("you entered : ", value)
        8     else:
        9         print("please eneter number within given range .....")
```

type a number between 1 and 10 : 7  
you entered : 7

```
In [ ]: 1
```

```
In [17]: 1 def div(a,b):
          2     try:
          3         output = a/b
          4         print("division output is :",output)
          5     except ZeroDivisionError:
          6         print("you are trying to divide by 0")
```

```
In [19]: 1 div(10,'b')
```

you entered wrong type

```
In [16]: 1 div(10,0)
```

you are trying to divide by 0

```
In [ ]: 1
```

```
In [ ]: 1
```