

What is Exception?



An exception is a Python object that represents an error.

When a Python script raises an exception, it must either handle the exception immediately otherwise it terminates and quit.

Handling an exception

Write code in a **try:** block. After the try: block, include an **except:** statement, followed by a block of code which handles the problem as elegantly as possible.



What is Exception?



num=int(input("enter any number"))
print(num)





Try and Except



try and except block is used to handle the exception. A single try statement can have multiple except statement.

try:

num=int(input("enter any number"))

print(num)

except:

print ("Wrong input")

Multiple except block

try and except block is used to handle the exception. A single try statement can have multiple except statement.

```
try:
   num=int(input("enter any number"))
   pp=(20/num)
except ValueError:
   print ("Please enter integer data")
except ZeroDivisionError:
   print ("don't use Zero")
```

else: print(pp)



```
try:
```

```
num=int(input("enter any number"))
pp=(20//num)
```

except(ValueError,ZeroDivisionError):

print ("Wrong Data")

else:

print(pp)





>>>

finally statement



```
try:
 num=int(input("enter any number"))
 pp=(20//num)
except(ValueError,ZeroDivisionError):
 print ("Wrong Data")
else:
  print(pp)
finally:
  print("This is our final statement")
```

RESTART: C:/Users/Piford/Desktop/exec.py =========== enter anv number0 This is our final statement





Find the type of Exception

```
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```

```
try:
   num=int(input("enter any number"))
   pp=(20//num)
except Exception as e:
   print(type(e))
>>>>
```







```
try:
 num=int(input("enter any number"))
 pp=(200//num)
 if pp = 20:
    raise IOError
except IOError:
    print("exception raised")
else:
  print("value is not equal to 20")
```

