

MT21MCS013 Jay Chachapara

ZeroDivisionError

In [1]:

```
nominator = int(input("Enter nomimator"))
denominator = int(input("Enter denominator"))
while True :
    try :
        print("Division is : ",nominator/denominator)
        break
    except ZeroDivisionError :
        print("You have entered denominator as zero, please enter appropriate value")
        denominator = int(input("Enter denominator"))
```

```
Enter nomimator2
Enter denominator0
You have entered denominator as zero, please enter appropriate value
Enter denominator2
Division is : 1.0
```

ValueError

In [2]:

```
while True :
    try :
        x = int(input("Enter an integer value : "))
        print("You have enetered ",x)
        break
    except ValueError :
        print("You are supposed to enter an integer value")
```

```
Enter an integer value : jay
You are supposed to enter an integer value
Enter an integer value : 89.00
You are supposed to enter an integer value
Enter an integer value : w
You are supposed to enter an integer value
Enter an integer value : 5
You have enetered 5
```

Raising an Exception

In [5]:

```

user_name = input("Create Username : ")
password = input("Create Password : ")
print("-----LOG IN-----")
while True :
    try :
        u_name = input("Enter username : ")
        pswd = input("Enter password : ")
        if u_name != user_name :
            raise NameError
        elif pswd != password :
            raise ValueError
        else :
            print("-----Successful Log in-----")
            break
    except NameError :
        print("Entered user name is not valid")
    except ValueError :
        print("Entered password is not valid")

```

```

Create Username : jay
Create Password : jay
-----LOG IN-----
Enter username : jack
Enter password : jack
Entered user name is not valid
Enter username : jay
Enter password : jack
Entered password is not valid
Enter username : jay
Enter password : jay
-----Successful Log in-----

```

finally

In [7]:

```

x = int(input("Enter x : "))
y = int(input("Enter y : "))
result = 0
try:
    result = x / y
except ZeroDivisionError:
    print("division by zero!")
else:
    print("result is", result)
finally:
    print("This block always get executed!")

```

```

Enter x : 56
Enter y : 0
division by zero!
This block always get executed!

```

