

## Day 15 (21/08/23): (Exceptions, Lambda Function)

1) **Try Block:** To test an actual code.

**Except-Try Block**→ Block throw any error, the except block will handle/display that error

**Finally Block**→ Regardless result.

Try:

(Actual code)

Except:

(Error message)

Finally:

(message)

Code:

```
try:
    age=int(input("Enter your age: "))
    print(age)
except:
    print("input:'number';InputError")
finally:
    print("your code is always checked")

try:
    age1=int(input("Enter your age: "))
    print(age)
except Exception as kumar:
    print(str(kumar))
finally:
    print("Wrong")

try:
    age3=int(input("Enter your age: "))
    print(f"age is {age}")
except ValueError:
    print("This is value error")
except NameError:
    print("This is name error")
except Exception as e:
    print(str(e))
```

**Output:**

Enter your age: tre

input:'number'; InputError

your code is always checked

Enter your age: .tere

invalid literal for int() with base 10: '.tere'

Wrong

Enter your age: ssds

This is value error

**2) Lambda Function:**

A lambda function can be any number of arguments but can only have one expression.

**Syntax:**

Lambda arguments:expression

**Code:**

```
a=1
b=2
c=3
x=a+b+c
print(x)
x=lambda a,b,c:a+b+c
print(x(1,2,3))
```

**Output:**

6

6