Jan 24, 2025 (9-11am)

- Why Python?
  - widely used across domains, very popular
  - Easy to use, Beginner Friendly
- Topics covered:
  - Google Colab for writing Python programs.
  - print(): display on output device.
  - arithmetic operations (+, -, *, /, //, %)
  - operator precedence, associativity
  - input(): taking inputs from the users
  - Program1: Input age from the user and compute how many years before the person turns 100.
  - Program2: Input age from the user and compute what year the person will turn 100.

```
#Arithmetic Operators: **, /, *, //, +, - , %
3 * 13 * 4
```

```
#Print
print('Hello World')
```

```
#Associativity in Exponentiation
2 ** 3 ** 2
```

```
#Associativity in Division
6 / 3 /3
```

```
#Taking input from user. Everthing accepted is treated as a string.
num = input("Enter your marks: ")
```

```
#eval: converts the number from string to numerical value: '5' -> 5
num = eval(num)
print(num)
```

```
#Input age from user and compute how many years left before the person turns 100
age = input("Enter you age: ")
age = eval(age)
years_for_100  = 100 - age
print("Years before you turn 100 ", years_for_100)
```

```
#Input age from the user and compute what year the person will turn 100.
age = eval(input("Enter you age: "))
year_for_100 = 100 - age + 2025

print("You will turn 100 in year: ", year_for_100)
```

```
print("You will turn 100 in year: ", 100 - age + 2025)
```