

Welcome to the class 😊



enjoy the
song!!

Fun , Learning


Do's and Don'ts

- ① Assignments
- ② Home Work problems
- ③ PST > 95%.
- ④ Attend all classes

My code

[https://www.scaler.com/topics/java/online-java-compiler/?
snippet_slug=f243591bf8156be045ae](https://www.scaler.com/topics/java/online-java-compiler/?snippet_slug=f243591bf8156be045ae)

Curriculum:

→ Refresher  Revisit the Basics
Java

1 month

→ Intermediate → DSA
(months)

→ Advanced
→ Implementation of DSA
(4 months)

→ Languages & Basic CS (1 month)

→ LLD & HLD (2 month)

→ Projects & Electives

Refresher

① Introductory

② If Else

③ While loop

④ For loop

⑤ Pattern

⑥ Functions

⑦ 1D Array

⑧ 2D Array

⑨ Array list

⑩ Strings

⑪ Hashmap & Hashset

③ Data types

⑤ How to take input?

④ Type casting

Data type → defines what kind of data are we going to work with

Text / string || Anything within double quotes

"My name is Dhruj"

"25 + 10 = 35"

Numbers (whole & decimal)

① Integer (true and -ve whole numbers)

-3, -2, -1, 0, 1, 2, 3

② long (bigger range than integers)

③ Float (true and -ve decimal numbers)

④ Double (higher precision than float)

Integer

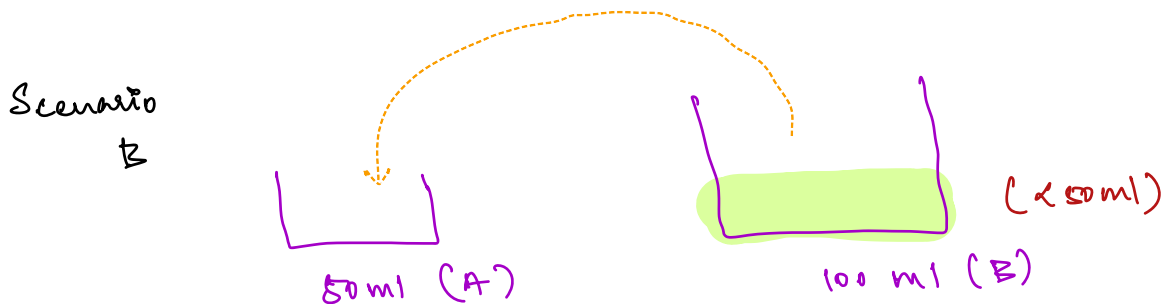
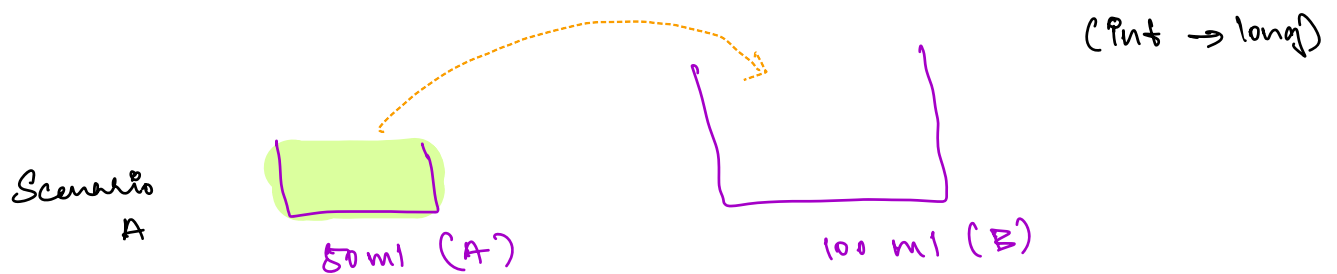
-2^{31} to 2^{31}
 -10^9 to 10^9 ← human readable

long

-2^{63} to 2^{63}
 -10^{18} to 10^{18} ← human readable

float → 32 bits → less precisions
double → 64 bits → higher precisions

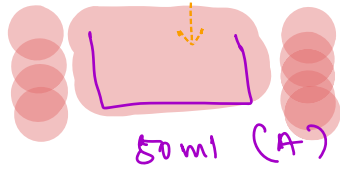
Type casting (changing data type of variable)



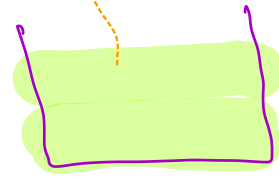
✓ long → int

Scenario

C



50ml (A)



100ml (B)

long \rightarrow int

possible
data
loss

overflow