

# Data types in CPP

Data types in CPP :

Integers :

- ① short ✓
- ② int ✓
- ③ long ✓

} Variable width integers

- ① int8\_t
- ② int16\_t
- ③ int32\_t
- ④ int64\_t

} Fixed width integers.

Character :

variable width

- ① char - 8 bits (1 byte)

fixed width

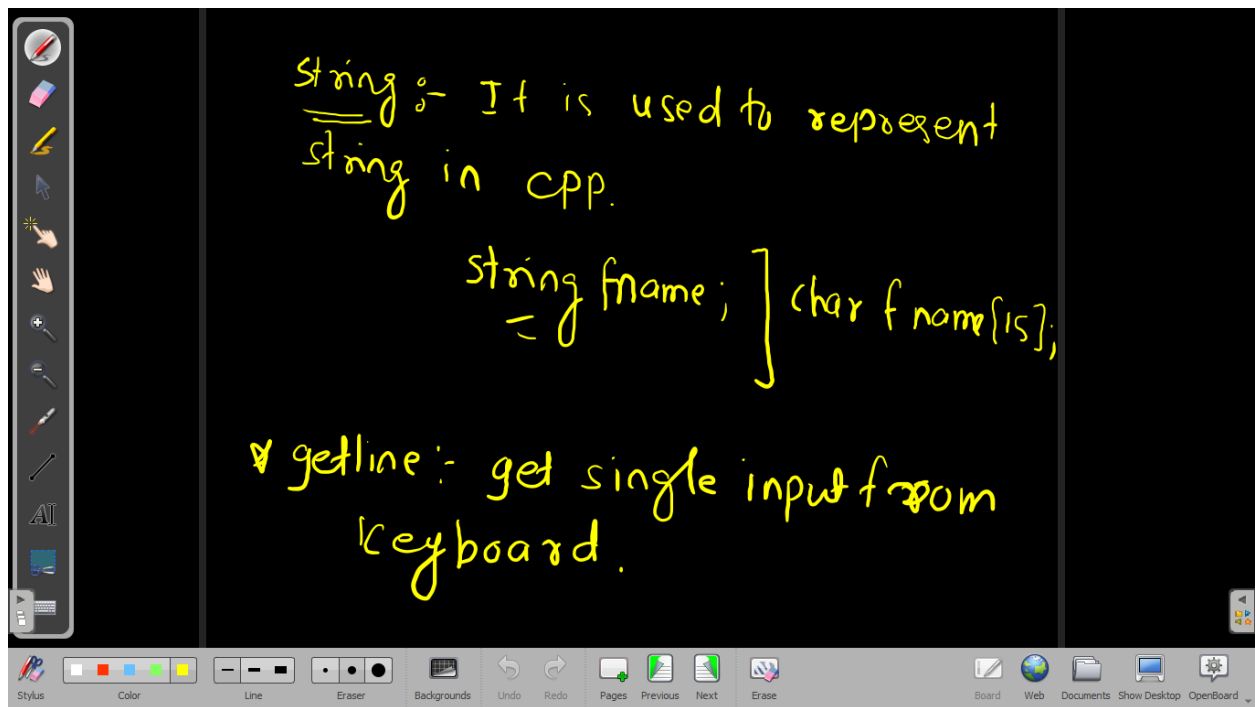
- ① char16\_t
- ② char32\_t

Boolean :-

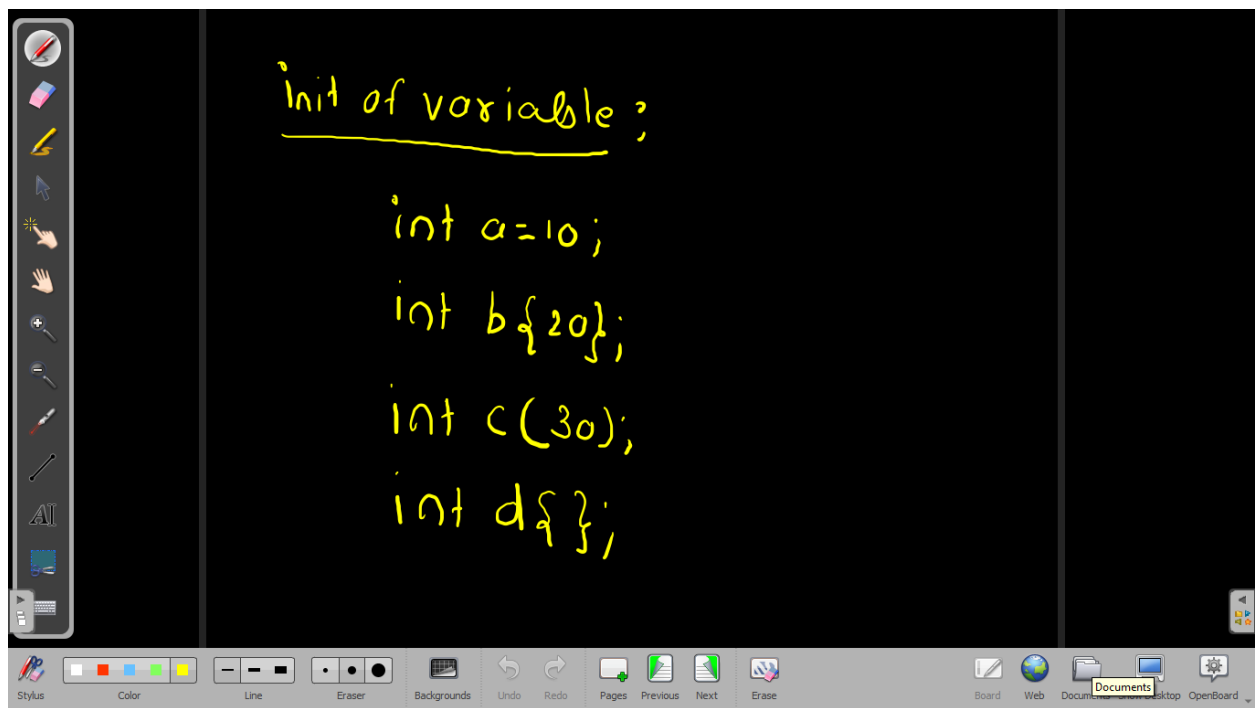
bool - 1 byte  
value - true, false  
(1) (0)

float :

- ① float - 4
- ② double - 8
- ③ long double - 12/16 bytes



## Variable initialization:



## For each loop in CPP

