

# Primitive Data Types - Summary

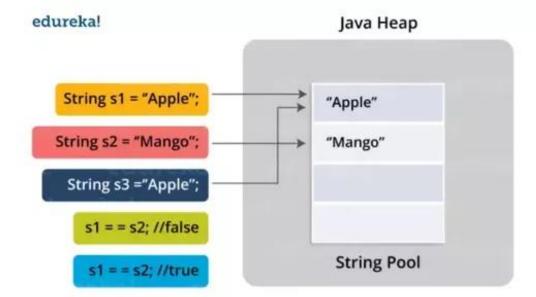
Data Type	Keyword	Size(bit)	Size(byte)	Min	Max
character	char	16	2	0	65535
byte	byte	8	1	-128	127
short	short	16	2	-32768	32767
integer	int	32	4	-2e31	-2e31-1
float	float	32	4	1.4e-45	3.4e+38
long	long	64	8	-2e63	-2e63-1
double	double	64	8	4.9e-324	1.8e+308
boolean	boolean	NA	NA	false	true

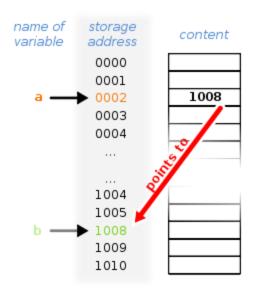
### Types of Literals



### There are four types of literals in java, which are based on the types of variables present

- Numeric Literal
  - ✓ int → ex: 7
  - ✓ double → ex: 12.87 , 12e22 , 19E-95
  - √ float → ex: 12.87f , 123.988F
- Boolean Literal
  - ✓ true or false
- Character Literal
  - √ 'a' ,'A','#','3' → ASCII
- String Literal
  - ✓ "hi from Marwa" , "Welcome \n in New Horizons"

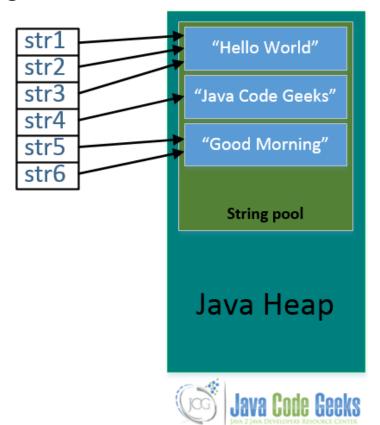


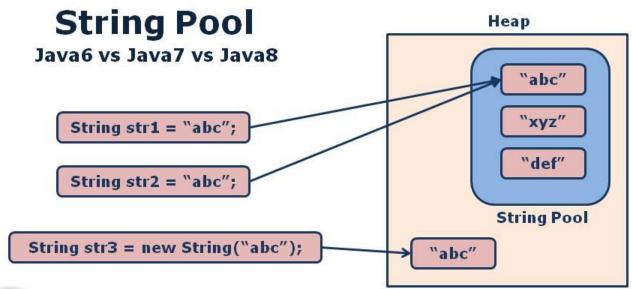


#### **Program**

String str1 = "Hello World"; String str2 = "Hello World"; String str3= "Hello World"; String str4 ="Java Code Geeks"; String str5="Good Morning"; String str6="Good Morning";

#### **String References**







## codepumpkin.com