Data Type :

which type of data needs to be stored in a particular variable.

There are two types of datatypes

1) primitive

2) Non primitive

1) primitive :

It is pre defined datatype

All primitive datatypes are keywords in Java

Hence it should be written in lowercase

There are 8 primitive data-types

Datatype	primitive	bytes	bits.
Integer	Byte	1	8
	Short	2	16
	int	4	32
decimal	long	8	64
	float	4	32
	double	8	64
	char	2	16
	boolean		1 bit

$2^0 = 1$

$2^1 = 2$

$2^2 = 4$

$2^3 = 8$

$2^4 = 16$

$2^5 = 32$

$2^6 = 64$

$2^7 = 128$

-127 to 128 bytes int. P datatype.

Non-primitive datatype

→ are reference type
→ are defined by the programmer
→ JVM is responsible to allocate the memory

Ex:- string

Array

all classtype