

## Identifiers and Keywords

### Keywords

Keywords are predefined words provided by language developers. Programmer can build a program using keywords and programmer cannot modify the predefined meaning of the keywords.

There are 48 keywords in java and all keywords are represented in lower case.

Eg: public,static, class ,void etc.

### Identifiers

Identifiers are used to represent the class, method and variables.

Rules to declare identifiers:

1. Identifiers shouldn't start with numeric values.
2. Identifiers can start with alphabets, \$ and \_
3. Only two special characters are allowed in an identifier \$, \_
4. Keywords cannot be declared as an identifier.
5. There is no length limit to declare an identifier, but recommended length is 15 characters.

Valid                      invalid

abc12	123abc
abc_xyz	xyz@abc
abc\$xyz	Xyz#abc
_abc	static
\$abc	Abc xyz

### Data types:

Data types are used to represent the different types of values.

There are 8 types in JAVA all the data types are keywords

Data types                      Default values                      Size

Byte	0	1byte
Short	0	2byte
Int	0	4byte
Long	0	8byte
Float	0.0f	4byte
Double	0.0d	8byte
Char	'\000000'	2byte
Boolean	false	

