# Language Fundentamentls:

1. Idenfigier

2. Rerersed words.

3. Data Types

4. Literals

5. Array.

6. Type of variables.

7. Var-arg methods.

8. Main Method

9. Commend Line arguments.

10. Jave coding standards.

## 1. Identifiers

A name in java program is called as identifier .Which can be used for identification purpose.

It can be method name, variable name, class name are label name.

Eg :

**public** **class** Test {

**public** **static** **void main**(String args [] ){

**int** x=10;

}

}

**Rules for define JAVA identifiers:**

Rule-01

The only allow characters in JAVA identifiers are

a to z

A to Z

0 to 9

$

\_

If you are using any other character we will get compile time error.

total\_number – Valid

total# - Invalid

Rule -2

Identifiers can not starts with digits .

Eg. Total123 – valid

123total – invalid

Rule -3

Java identifiers are case sensitive of course java language treated as case sensitive programming language.

Eg.

**public** **class** Test {

**public** **static** **void** main(String args [] ){

**int** number=10;

**int** Number=10;

**int** NUMBER=10;

}

} .

Rule -4

There is not length limit for java identifiers but it is not recommended to take tolegthy identifiers.

Rule-5

We cannot use reserved words as identifiers.

**public** **class** Test {

**public** **static** **void** main(String args [] ){

**int** x=10;

**int** if=10;}

}

Rule-6

All predefined java class names and interface names we can use as identifiers.

Eg.

**public** **class** Test {

**public** **static** **void** main(String args [] ){

**int** String =10;

System.***out***.println(String);

**int** Runnable =20;

System.***out***.println(Runnable);

}

}

Even though it is valid but it is not good programming practice because it reduces readability and create confusion.

***Which of the following are valid identifiers?*** *.*

total\_number - Valid

total# - invalid

123total - invalid

Ca$h - valid

\_$\_$\_$\_$\_ - valid

all@hands - invalid

Java2Share - valid

Integer - valid

Int - valid

Int - invalid

2. Reserved Words : key words