**Java**

**1. Primitive data types:**

includes byte, short, int, long , float , double , Boolean and char.

Non-primitive data types - such as String, Arrays and Classes.

**2. Variable Type**

byte - 1bits (8bits), short-2bits(16bits), int-4bits(32bits)

float- 32bits, double-64bits (*if the value is big and variable is small then java would throw compilation error*) Don’t use for financials

char-16bits

Boolean true/false (case sensitive)

operation always executed by left to right.

String Concatenation using + sign

**3. Assignment Operator**

int i = 10; int j=15;

i=j

i = 15 (output)

**4. Compound assignment operators**

Compound-assignment operators provide a shorter syntax for assigning the result of an arithmetic or bitwise operator

1. += (compound addition assignment operator)

2. -= (compound subtraction assignment operator)

3. \*= (compound multiplication assignment operator)

4. /= (compound division assignment operator)

5. %= (compound modulo assignment operator)

6. &= (compound Bitwise & assignment operator)

7. |= (compound Bitwise | assignment operator)

8. ^= (compound Bitwise ^ assignment operator)

9. >>= (compound right-shift assignment operator)