int a = 1; (4 bytes)

1 byte = 8 bit (32 bits) Jala Type

Type

Type

Type slize 4 bytes 2 bytes - short 7 boolean 1 byte I Sile 8 by to > long 2 byte -> char byte -> byte 8 by tes 7 double 4 bytes -> float

```
// Online Java Compiler
                                                                        java -cp /tmp/hoHTDXvAkf/HelloWorld
// Use this editor to write, compile and run your Java code online
                                                                        10
                                                                        11
class HelloWorld {
                                                                        117
    public static void main(String[] args) {
                                                                        10.5
                                                                        1.5
        int a = 10;
                                                                        a
        byte b = 11;
                                                                        true
        long 1 = 117;
        double d = 10.5;
                                                                        === Code Execution Successful ===
        float f = 1.5f;
        char c = 'a';
        boolean rahul = true;
        System.out.println(a);
        System.out.println(b);
        System.out.println(1);
        System.out.println(d);
        System.out.println(f);
        System.out.println(c);
        System.out.println(rahul);
```

Range of Deta Types?

-2147483648 to 2147483647 COBOL and Java Data Types		
Java Primitive Type	Description	Java Data Range
int	signed 32 bits	-2147483648 to 2147483647
long	signed 64 bits	-9223372036854775808 to 9223372036854775807
float	32 bits	1.40239846e-45f to 3.40282347e+38f
double	64 bits	4.94065645841246544e-324 to 1.79769313486231570e+308

Ground Rules while creating variables There variables rames logical

> variable names can't start from numbers.

Eg. "It 1 X Sums two Eg. Sunt Two, assay Sin 7 (and Case

Drithnetic Operators

BODMAS

+, -, *, /, 7.

out, int > int.

int, double > double 2+1.5 = 3.5

double, double > double