**package** JavaSession\_02\_DatatypesVariablesAndOperators;

**public** **class** dataVariables\_01 {

/\* YouTube - Code Studio

Java Programming For Beginners in Hindi #2 |

Datatypes, variables & Operators | With Practical demo

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Variables, Data types & Operators

Variable in Java - is a data container that stores the data value during Java program execution.

int x = 10; x is variable and 10 is value. Data type is int.

1. Declaration int a;

2. Initialation a=2;

3. Declaration and Initalition int a=2;

Data types -

1. Primitive data type - There are 8 primitive types,

which includes integer, float/decimal, Boolean and character.

Sr. No. Type Data type size (bytes) Range

1. Interger type byte 1 -128 to 127

short 2 32,768 to 32,767

int 4 2,147,483,648 to 2,147,483,647

long 8 9,223,372,036,854,775,808 to 9,223,372,036,854,775,807

2. Decimal/float float 4

double 8

3. Logical (true/false) boolean 1

4. Textual tupeCharacter char 2

2. Non-primitive/Derived Data Types - which includes classes, String, arrays and interface.

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

**int** a;

a=10;

**int** b = 2;

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

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

**int** a1 = 15;

**double** b1 = 12.7;

**char** c = 'A';

**boolean** bool = **true**;

String name = "Manish";

System.***out***.println(a1);

System.***out***.println(b1);

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

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

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

}

}