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Dt: 19/7/2023
faq:
define "Object"?
=>"Object" is a Storage related to a class holding the members of Class.
=>we use "new" keyword in Java to create "Objects".
syntax of Object Creation:
Class_name obj_name = new Class_name();
(a)Classes in Java:
 =>Class in Java is a "Structured Layout" generating "Objects".
 =>Class is collection of Variables, Methods, blocks, Constructors and main().
 =>Classes in Java are categorized into two types:
   1.Pre-defined classes
   2.User defined classes
1.Pre-defined classes:
  =>The classes which are ready constructed and available from JavaLib are
   known as Pre-defined classes or Built-in classes.
   Ex:
    String
    System
```

2.User defined classes:
=>The classes which are defined by the programmer are known as User
defined classes.
Ex:
Display
Addition
DataTypes
===
*imp
Variables in Java:
=>Variables are the data holders in the programs.
=>Based on datatypes,the variables in Java are categorized into two types:
1.Primitive datatype variables
2.NonPrimitive datatype variables
1.Primitive datatype variables:
=>The variables which are declared with primitive datatypes like byte,
short,int,long,float,double,char,boolean are known as Primitive datatype
variables.
=>These Primitive datatype variables will hold "values".

2.NonPrimitive datatype variables:
=>The variables which are declared with NonPrimitive datatypes like Class,
Interface,Array,Enum are known as NonPrimitive datatype variables or
Referential datatype variables.
=>These NonPrimitive datatype variables will hold "object references"
===
*imp
"static" keyword in Java:
=>"static" keyword in Java "will specify the location of Programming
Component memory" in Class or Object.
=>static programming components will get the memory within the class.
=>NonStatic programming components will get the memory within the Object.
*imp
=>Based on "static" keyword the variables in Java are categorized into two
type:
1.static variables
2.NonStatic variables
1.static variables:

- =>The variables which are declared with "static" keyword are known as Static variables or Class Variables.
- =>These static variables will get the memory within the class while class loading and can be accessed with class name.

2.NonStatic variables:

- =>The variables which are declared without static keyword are known as NonStatic variables.
 - =>These NonStatic variables are categorized into two types:

(a)Instance variables

(b)Local Variables

(a)Instance variables:

- =>The NonStatic variables which are declared outside the methods are known as Instance variables or Object Variables.
- =>These Instance variables will get the memory within the object while

 Object creation and can be accessed with Object name.

(b)Local Variables:

- =>The NonStatic variables which are declared inside the methods are known as Local variables or method Variables.
 - =>These Local variables will get the memory within the method while method

System.out.println("b value="+DemoVariables.b);

System.out.println("y value="+Test.y);