VARIABLE AND BLOCKS

1.What are the Types of Variable in Java ?

Answer- 6 types of Variable present in java

  such as- Local Variable

-Static Variable/Class level

-Non-static Variable/Instance/Object level

-Final Variable/Constant

-Transient Variable

-Volatile Variable

2.What is local/static and Instance Variable in Java ?

Answer- Local variable –Variable with in block /method /Constructor/loop declared with in any

where except the block of class directly known as Local variable

Static Variable –If the variable declared with static keyword then it is known as static variable

Non-Static Variable –If the variable declared without Static keyword then it is Non-static variable

3.How to declared a constant in Java and what are the restriction for Constant ?

Answer-If the variable is declared as final then it is a constant in java

    -It should be initialized at the time of declaration

    -can not be changed /modified

    -Final variable can be static and Non-static

4.What is the procedure to call a Static , Non-static variable and Local variable ?

Answer- Static –Static variable can call by 3 ways – By class name

                                        -Directly (with in same class)

                                        -By Object (Memory Wastage)

 Non-Static –Only can be called by Object name

Local –This variable only can be access with in that block in which it declared

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5.What is the different blocks present in java and give details ?

Answer-Two types of block present in java

-Static block

-Non-static block

Static Bock – If the block declared with the static then it is static block

-Contents of this block is always execute before main() method called by jvm

Non-static Block –If the block declared without static then it is Non-static block

-This block always execute before object creation /Constructor called

6.When and How many times static block can execute ?

Answer-Contents of this block is always execute before main() method called by jvm

-Static block will execute for a single time only and at first

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7.State the use of Final Keyword?

Answer-When a variable is declared with **final keyword**, its value can't be modified, essentially, a constant.

8.Details about naming conventions of java members ?

Answer-<u>Class Name</u> – First letter of each word should be capital

<u>Method Name</u>- Except 1st word first letter of each word should be capital

<u>Constant</u> – Each letter is Capital

<u>Package Name</u> –Each letter is small

9.Rules of identifier in Java?

Answer-Space is not allowed

-Keyword are not allowed

-Special symbol & and – allowed

-Digits are allowed but not at first

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10. Details about final variable in respect to static block and Non-static block ?

Answer-Static final variable can be initialized with in static block and also

Non-static final variable will be initialized with in Non-static block

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