Static Reyword

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Stat	ìc	٠ ١	alk	rie	÷

- -) We can make a markeble as stockic when it is common for all The instances of that porticular days
- -> Static voriable: are also called as "Class voriables" Hone copy for whole class
- the monoy for the static variable will be allocated inside the method Area. dering the time [class loading] > Static uchiable improves memory management

Indian peul = new Indian ("Alent, 24) day Indian ? new ludiar ("Bob" 24) Indian per 2 = String name; Memory Magery byte age; a lastes Static strag Prime Mouta 8 bytes

Note:

U Before V. 1.8, Static Vallables our get Orested in speedal monory area called "permanent Generation" In mettod Area

RTS

(2, After 18, 9+ gets removed & stored in wethod area it self

Metros threa

```
Notes
                                              with the help of two types
 -) Static vouebles can be accessed
                                                (2) day Name
                 (1, object Reference
                   Indian person1 = new Indian();
                   Indian person2 = new Indian();
                                                     System.out.println(person3.primeMinister);
                   person1.name = "Alex";
                                                  Indian.primeMinister = "Modiji";
                   person1.age = 24;
                                                     System.out.println(person1.primeMinister);
                   person2.name = "Bob";
                                                     System.out.println(person2.primeMinister);
                   person2.age = 25;
                person1.primeMinister = "Modi";
                                    Blocks in Java
                       2 types of blocks in Jana
      - there
               one
                              1. Instance Block
                                        Block
                             d. Static
                                         State Block
                                 (2)
      Instance Block
                                           static }
            8
                                            3
1) Instance Mcct
   -) Instance blocks are written Puside the class & outside the method
   Instance Blocks one encentred every time when object is created
    If we create to object, then ten times the block gots enecuted
```

State Olochi

Blocks one declared inide the and & outside the method alocks one enecuted during the time of class loading & it gets (1) Stadic onecuted only Duce

```
class AlphaBlocks{
          System.out.println("Instance Block - 1");
          System.out.println("Static Block -1");
          System.out.println("Instance Block -2 ");
      static {
          System.out.println("Static Block -2");
 public class BlocksProg {
          System.out.println("Main instance Block");
      public static void main(String[] args) {
          AlphaBlocks obj1 = new AlphaBlocks();
AlphaBlocks obj2 = new AlphaBlocks();
      static {
          System.out.println("Main static Block");
3 }
```

Note :

- Refore loading The class [main], it checks for any static voliable of any voicible block this enecuted if no ther for Static blocks 1 there ONL that is why the main method it checks to It atic method, 16 as Static behind to keep main() enecuted & reason
- tong, when ever The Obje of type Alpha Dlock is weated cobove Class Alpha in the metal Area [Application loader loads HJ] checks to steps veriable, if not cor, then proceeds first before object creation static block on gets enecutes 20
- object checks for instance verable done 15 ueatim After detto Heep Area & of proceeds to instance blocks & loaded into 7. eneutes then
- some type of another object is Created (obj2) it doesn't loads method Area & 9+ doesn't Once again the class of that Type into static blocks for love d static velables th