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HEAP and STACK Diagram :
                                                                  javac Test.java
 public class Test
                                                                  Whenever we execute the progran then JVM will get some memory from the O.S. This memory is divided into two sections
   int x = 100:
    public static void main(String [] args)
                                                                  1) HEAP MEMORY (Storing the Object)
2) STACK MEMORY (Method Execution)
       Test t1 = new Test();
t1 = new Test();
                                                                    HEAP MEMORY
                                                                    1000x : TestObject, x : 100
                                                                    2000x : TestObject, x : 100
                                                                    STACK MEMORY
                                                                     t1:<del>1000x</del> 2000x
HEAP AND STACK Diagram for CustomerDemo.java
 ΗΕΔΡ
 1000x : CustomerObject, name : 2000x, id : 25 2000x : StringObject,Ravi
 3000x : CustomerObject, name :4000x, id : 7 9 4000x : StringObject, Rahul
 STACK
main_stack
                                                               m1 method execution is over so it will be deleted from the
                                   m1_stac
                                   cust : 1000
     val : 100
                                                      000x
       c: 1000x
HEAP and STACK Digram for Employee.java
                                                                                                  Output
400
HEAP MEMORY
                                                                                                  500
500
500
1000x : EmployeeObject, id : 100 -200 500
2000x : EmployeeObject, id : 100 400
3000x : EmployeeObject, id : 100 900 500
 4000x : EmployeeObject, id :-100 900
STACK MEMORY
                                                                      switchEr
                                                                                            stack
 main_stack
                                    update
                                                                        e1:3000x
e2:<del>1000</del>x
 val : 200
                                     e: 1900x
                                                 2000×
 e1:1000x
                                                                     temp: 900
 e2:3000x
//HEAP and STACK Diagram for Test.java
HEAP MEMORY
                                                                                  t2.t = t3;
t3.t = t4;
t1.t = t2.t; //3000x
t2.t = t4.t; //2000X
1000x : TestObject, t : 3000X ral : 100
2000x : TestObject, t : <del>1000x</del> , val : 200
3000x : TestObject, t : \frac{4000x}{1000x} , val : 300
                                                                               System.out.println(t1.t.val);//300
System.out.println(t2.t.val);//200
System.out.println(t3.t.val);//400
System.out.println(t4.t.val);//200
 4000x : TestObject, t : 2000x, val : 400
STACK MEMORY
main_stack
   t1:1000x
   t2:2000x
   t3:3000x
   t4:4000x
HEAP and STACK daigram for Beta.java
 HEAP MEMORY
1000x : BetaObject
                                                                                   System.out.println(ar[0].val); 15
System.out.println(ar[1].val); 15
  2000x : AlphaObject, val :-9 15
3000x : AlphaObject, val : 2
  4000x : AlphaArrayObject[3000x , 2000x]
CLASS DATA
 100x : Alpha.class -> sval : 200 , b : 1000x
 STACK MEMORY
    main stack
    am1 : 2000x
                                    a1 : 200
a2 : 300
    am2:3000x
```

ar: 4000x