

Today's agenda
Today's agenda  bobject memory  constructor (cory constructor)  b Access modifier  b inheritance
4 constructor (copy constructor)
b Access modilies
la inheritance
<u>AlgoPrep</u>



11 Tests
Java: Post by rature always

main() 4	
ind n= 10;	
ing y = 20;	
Fun ( 7, 7)	
ind y = 20;  Fun ( 1, y);  Point (2) + " "1y); -100 20	
	50
3	y = 26
10 30	n=16
Bun (int on, inty)	
n: 40; main	y = 20
y = 50;	W: 10
	Stack
3	





```
🖖 Rajiv singh . raised hand 🛛 🗙
  public class student {
      public static void main(String[] args) {
    // TODO Auto-generated method stub
    int[] arr = {10,20};
           fun(arrio],arri]);
           public static void fun(int x, int y) {
    x = 40;
                                                                                   Stock
```



11+08+3

```
neal
     package Student;
                                               🖖 Rajiv singh . raised hand 🛛 🗙
           public static void main(String[] args) {
   // TODO Auto-generated method stub
   int[] arr = {10,20};
2 6 7 8 9 10 11 12 13 14 15• 16 17 18 19 20 21 }
                  fun(arr);
                  System.out.println(arr[0]+" "+arr[1]); > 40 50
           public static void fun(int[] arr) {
  arr[0] = 40;
  arr[1] = 50;
                                                                                                                                               Stock
```





```
1 package Student;
                                                 🖐 Rajiv singh . raised hand 🛛 🗙
  2
3 public class student {
4
5• public static void
             public static void main(String[] args) {
    // TODO Auto-generated method stub
    int[] arr = {10,20};
2 6 7 8 9 10
                    fun(arr),
 11
12
13
14
                   System.out.println(arr[0]+" "+arr[1]);
             }
             public static void fun(int[] temp) {
   temp[0] = 40;
   temp[1] = 50;
 16
17
 19
20
21 }
22
             }
                                                                                                                            व्यक्त : भीन
```





```
package Student;
                                    🖐 Rajiv singh . raised hand
    public class student {
         public static void main(String[] args) {
             // TODO Auto-generated method stub
int[] arr1 = {10};
int[] arr2 = {30};
æ
              fun(arr1,arr2);
 11
             System.out.println(arr1[0]+" "+arr2[0]); → 🛵 🧸 💆
 12
 13
         }
 14
         public static void fun(int[] arr1, int[] arr2) {
 16●
              int[] temp = arr1;
 17
              arr1 = arr2;
              arr2 = temp;
         }
 23 }
                                                                                     Stack
```

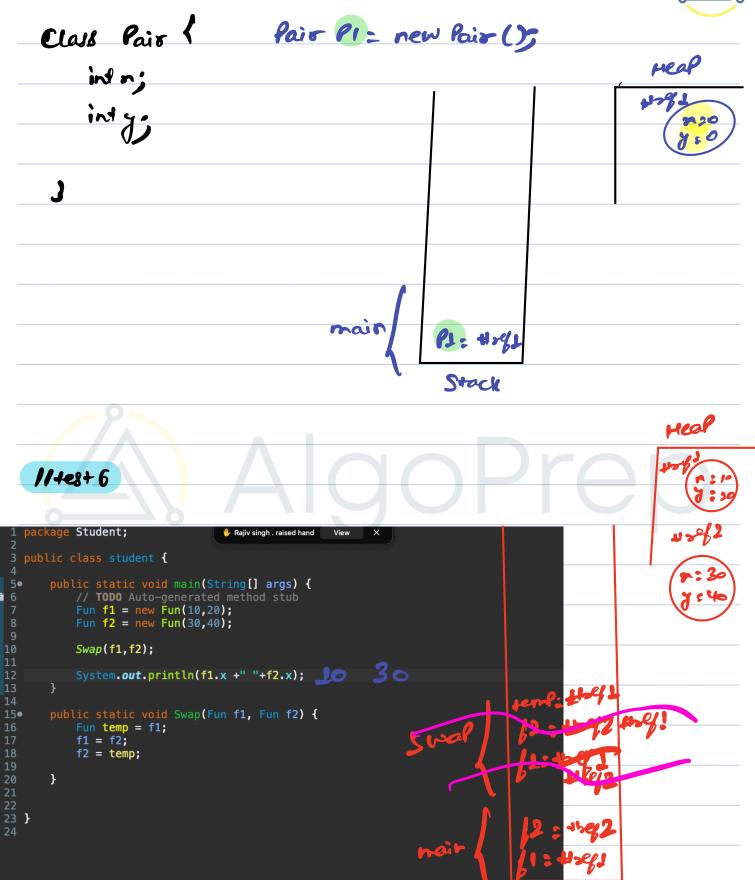




```
Hear Hear
```

```
🖐 Rajiv singh . raised hand 🛛 🗙
            public static void main(String[] args) {
   // TODO Auto-generated method stub
   int[] arr1 = {10};
   int[] arr2 = {30};
                  System.out.println(arr1[0]+" "+arr2[0]); 30
                                                                                                                                                          4:10
            public static void fun(int[] temp1, int[] temp2) {
  int t = temp1[0];
  temp1[0] = temp2[0];
  temp2[0] = t;
```







Private défauls Public Projected					
class Bar	•				
	Countroj				
	within the	bud within	Ord acro		
	Cloub	Some Podroge	700		
Private	1 4	XX	XX		
rovarc		<b>*</b>	XX		
defaut Public					



Copy Constauctor	Fun /1: new Jun ();
Class Jun	finelo
Poivate intog	J.y: 20;
نه اسا	
Jun (Jun 1)4	fun 12: new Fun C
Jun (Jun 1) 4  3 = 1.7;	Deel coly
void volve-of- ~ () }	
J.o.p (n);	
3	
	d
	12- 4-2-12
main	12: 4541
Y · ·	But to be

## -> Shallow Copy



		Fun /1 = new Jun ();
	class Jun	fl.n.slo)
	Poivate intog	[J.7: 20]
	in Ti	
	Jun (10n 1)4	Jun 12: 115
	1:25	
	Jun (Jun 1) 4  3 = 1.7;	
	void value-of-n () }	
	1.0.p (N)	
3	3	11283 7510
		7:80
		12-+1241
	main	12: +1 ref L