```
Assignment-7
 write a generic method to find the
 maximal element in the range (begin
 end? of a list.
 1/P: $2,62,4,78,6,10,49,20,59,43
   29,30,56,89}
   out : 89
   import java.io. *;
  import jova, wil. *;
   cless newex
public static <T extends object & com-
parable 2? Super T>>> T getmax (list 1)
extends To list, int begin, int end)
    T marelem = list. get (begin);
  For (++ begin; begin rend; ++ begin)
if (marelem. compare TO (list get (begin)
      ) LO)
    martelem = list get (begin);
  return maxelem;
public static void main (string orgs)
list < Integer > arr = Arrays. aslist (2,62)
4,78,6,10,49,20,59,43,29,30,567
                  89)
```

int z = newez, getmax (arr, o, arr. System. out-printin ("maximal nymber:" + x); marlimal number = 89

2 ·	Write a generic method to count the
100	number of elements in a collection
	that have a specific property (for
	example, odd integers, even number)
(h) 19/3-2	1/p: {2,4,6,7,8,9,90,78,41,56,79,
<u>la latina</u>	45,65,853
	output:
	even 17-
<u></u>	0 dd '. 7
	import java util , *;
	public class Evenodd
	4

```
public Static void main (String [] args)
 int[] nums = { 2,4,6,7,8,9,90,
78,41,56,79,45,65,85}
 int ctr-even =0, ctr-odd =0;
System. out. printin ("original Array!"
  + Arrays. tostring (nums))
  for (intieo sixoums length ; itt)
     1f (nums[i] 1/2 ==0)
     ctr-eventti
    els e
      ctr-odd tt;
System out println ("In Number of ever
elements in the array: ".d", ctr-even?
System. out- println ("In Number of odd
elements in the array; 1.d", ctr-odd
System. out. printin ("1")
```

	Page Ho.
A CONTRACTOR OF THE PARTY OF TH	output:
	original Array: [2,4,6,7,8,9,90,78,
	41,56,79,45,65,85)
	Number of even elements in the a-
	rray:7
	Number of odd elements in the array:
	; 7
	The State of the s
3.1	
	and the state of t
Mary and the second sec	