Lamda Expression

1) Arrays sort (array) Ly 9+ will sort in default behaviour

But if you want to sort of your way then you can launda expression

Integer[] ann = new Integer[n]; ava=[5,3,-1,8,2,6,4,-4]

- 1) Arrays sort (arry It will sort in investing order.
- (2) Arrays. sout (arr, (a, b) -> of return a-b) incuming b-a) decreasing

 $a-b \Rightarrow in outling order$ $a>b \qquad a-b = +ve \Rightarrow a = a$ a<b $a-b = -ve \Rightarrow a$ light demaning order

b>a b-a +ve b

b<a b-a -ve b

```
a tre
  Arrays. Sout (birds, (9,6) -d
                           a. colour.lugth() - 6. colour.lungth()
                   retur
                           4)
  Read Target
        [-1, 1, 2, 3, 4, 5] forget = 4
prive all indices linear sum of parts is Equal to tought
           while ( lift < 8198t) of
                 int sum = an [left] + and regult];
                  if (sym== torget) of syso (top, right)

else if (sym < torget) of light ++ &
```

elon ig (Sum) tought) of oright -- ip

7

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr = new int[n];
    for(int i=0;i<n;i++){
        arr[i] = scn.nextInt();
    int target = scn.nextInt();
    int left=0;
    int right= arr.length-1;
    while(left<right){
        int sum = arr[left]+ arr[right];
        if(sum ==target){
            System.out.println(left+" "+ right);
            left++;
            right--;
        }else if(sum<target){</pre>
            left++;
        }else{
            right--;
        }
    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Y
```

[3,5] Louigue

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr = new int[n];
    for(int i=0;i<n;i++){
        arr[i] = scn.nextInt();
    int target = scn.nextInt();
    Arrays.sort(arr); // nlogn TC
    int left =0;
    int right = arr.length-1;
    while(left<right){
        int sum = arr[left]+arr[right];
        if(sum==target){
            System.out.println(arr[left]+" "+arr[right]);
            while(left<arr.length-1 && arr[left] ==arr[left+1]){
                left++;
            while(right>0 && arr[right]==arr[right-1]){
                right--;
            left++;
            right--;
       }else if(sum<target){
            left++;
       }else{
            right--;
    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class show
```

No of books Thrat melas ? houst)

bood of; Myrimim # of page left 2, 2, 3) ofnlogn)

left signt signt boat ++; bood ft

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr = new int[n];
    for(int i=0;i<n;i++){
        arr[i] = scn.nextInt();
    int limit = scn.nextInt();
    Arrays.sort(arr); // nlogn TC
    int noOfBoats=0;
    int left =0;
    int right = arr.length-1;
    while(left<=right){
        int totalweight = arr[left]+arr[right];
        if(totalweight<=limit){</pre>
            left++;
        right--;
        noOfBoats++;
    }
    System.out.println(noOfBoats);
    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your c
}
```