Lec-9

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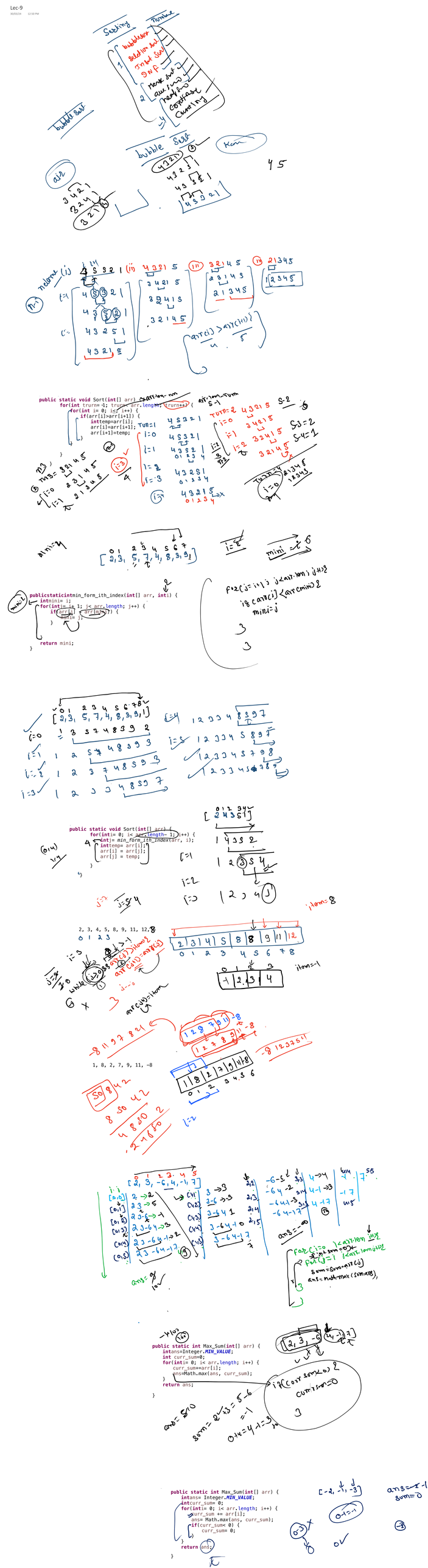


```
public static void Sort(int[] arr) {
    for(int trum= 4; trum>= arr.length; trum++) {
        for(int i= 0; i<= i++) {
            if(arr[i]>arr[i+1]) {
                inttemp=arr[i];
                arr[i]=arr[i+1];
                arr[i+1]=temp;
            }
        }
    }
```

```
public static void Sort(int[] arr) {
    for(int i= 0; i< arr.length- 1; i++) {
        int j= min_form_ith_index(arr, i);
        int temp= arr[i];
        arr[i]= arr[j];
        arr[j]= temp;
    }
}
```

```
public static int min_form_ith_index(int[] arr, int i) {
    int mini= i;
    for(int j= i+ 1; j< arr.length; j++) {
        if(arr[j] < arr[mini]) {
            mini= j;
        }
    }
    return mini;
}
```

```
public static int Max_Sum(int[] arr) {
    int ans= Integer.MIN_VALUE;
    int curr_sum=0;
    for(int i= 0; i< arr.length; i++) {
        curr_sum+=arr[i];
        ans=Math.max(ans, curr_sum);
    }
    return ans;
}
```

```
public static int Max_Sum(int[] arr) {
    int ans= Integer.MIN_VALUE;
    int curr_sum= 0;
    for(int i= 0; i< arr.length; i++) {
        curr_sum += arr[i];
        ans= Math.max(ans, curr_sum);
        if(curr_sum< 0) {
            curr_sum= 0;
        }
    }
    return ans;
}
```