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# ASSIGNMENT 1

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سكشن : 2

# Problem 1

```
/* best = 0                                ==> o(1) --> worst canse
 * for i = 1 to n                          ==> o(n) --> worst canse
 *   interview candidate i                 ==> o(n) --> worst canse
 *   if candidate is better than best      ==> o(n) --> worst canse
 *       best = i                         ==> o(n) --> worst canse
 *       hire candidate                    ==> o(n) --> worst canse
 *
 * =====
 *
 * worst case will be n*(Ch +Ci)
 *
 * code implemntaion
 */
```

```
public static void main(String[] args) throws Exception {
    interview(n:10);
}
public static void interview(int n){
    int best = 0;
    for(int i=1;i<=n;i++){
        System.out.println("InterView With : "+i);
        if(bet(i,best)){
            best = i;
            System.out.println("emp is : " + best);
        }
    }
}
public static boolean bet(int cand , int best ){
    return cand>best;
}
```

# Problem 2

```
public class App {  
    public static void main(String[] args) {  
        int arr[] = {10, 9, 5, 13, 2, 7, 1, 8, 4, 6, 3};  
        int maxright = arr[arr.length-1];  
        System.out.println(maxright);  
        for (int i=arr.length-2 ;i>=0;i--){  
            if(arr[i]>maxright){  
                System.out.println(arr[i]);  
                maxright = arr[i];  
            }  
        }  
    }  
}
```