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Subject Data Structure

Exam Data Structure

Date 2/06/2020

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```
1 package data,
2 public class PracticeLabds {
3     public static void main(String[] args){
4         char b[]= {'s','u','g','a','z','e','y'};
5         boolean found=false;
6         int i=1;
7         int max=6;
8         char item='g'; //part a|
9         while(i<=max && found==false){
10             if(b[i]==item){
11                 found=true;}
12             else{
13                 i++;}
14         }
15         if(found==true){
16             System.out.println("Element g is found succefully");}
17         else{
18             System.out.println("Search is unsuccessful");
19         }
20     }
21 }
22
23
24
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26
27
```

Console ✖

<terminated> PracticeLabds [Java Application] C:\Program Files\Java\jdk-13.0.1\bin\javaw.exe (Jul 2, 2020)

Element g is found succefully


```
1 package data;
2 public class PracticeLabds {
3     public static void main(String[] args)
4     {
5         char b[] = {'s', 'u', 'g', 'a', 'z', 'e', 'y'};
6         boolean found=false;
7         int i=1;
8         int max=6;
9         char item='M';
10        while(i<=max && found==false)
11        {
12            if(b[i]==item)
13            {
14                found=true;
15            }
16            else
17            {
18                i++;
19            }
20        }
21        if(found==true)
22        {
23            System.out.println("Element g is found succefully");
24        }
25        else
26        {
27            System.out.println("Search is unsuccessfull");
28        }
29    }
30 }
31
```

Console

<terminated> PracticeLabds [Java Application] C:\Program Files\Java\jdk-13.0.1\bin\javaw.exe (Jul 2
Search is unsuccessfull


```
1 package data;|
2 public class PracticeLabds {
3     public static void main(String[] args) {
4         int a[]= {15,10,12,11,9,10};
5         int temp,j;
6
7         for(int i=1; i<a.length; i++)
8         {
9             temp=a[i];
10            j=i;
11            while(j>0 && a[j-1]>temp){
12                a[j]=a[j-1];
13                j=j-1;}
14            a[j]=temp;
15        }
16        for(int i=0; i<a.length; i++){
17            System.out.println(a[i]+" ");}}
18
19
```

Console

<terminated> PracticeLabds [Java Application] C:\Program Files\Java\jdk-13.0.1\bin\javaw.exe (Jul 2, 2020,

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