

DAILY ONLINE ACTIVITIES SUMMARY

Date:	4/06/2020	Name:	Nagashree D
Sem & Sec	8th A	USN:	4AL16CS055
Online Test Summary			
Subject	SMS		
Max. Marks	60	Score	60
Certification Course Summary			
Course	Cyber Security		
Certificate Provider	Great learning Academy	Duration	7hr
Coding Challenges			
Problem Statement: HeapSort Java Program			
Status: Solved			
Uploaded the report in Github		Yes	
If yes Repository name		Nagashreed	
Uploaded the report in slack		Yes	

Online Test Details:



Congratulations! Nagashree D,

You've cleared Round 1 and scored **60/60** in SMS_V. That's the maximum score one can reach in this assessment. [View and share your achievement.](#)

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Popular Attacks

- Ransomware
- Botnets Attacks
- Social Engineering Attacks
- Cryptocurrency Hijacking
- Phishing

27:12

-15:47

1x

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Phishing

The Ukranian Power Grid Attack

The December 2015 Ukrainian power grid attack was a history-making event for a number of reasons. It was the second time that malicious firmware was developed specifically for the purpose of destroying physical machinery – the first being Stuxnet, used by the U.S. and Israel to shut down Iranian nuclear centrifuges in 2009. But unlike Stuxnet, the Ukrainian malicious firmware attack used email phishing as its originating attack vector.

42:11

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Coding Challenges Details:

Implement Heap Sort Java Program Using Array

```
public class HSort
{

    public static void heapify(int a[],int i,int n)
    {

        int l=2*i+1;
        int r=2*i+2;

        int temp,largest;

        if(l<n && a[l]>a[i])
            largest=l;
        else
            largest=i;

        if(r<n && a[r]>a[largest])
            largest=r;

        if(largest !=i)
        {
            temp=a[largest];
            a[largest]=a[i];
            a[i]=temp;

            heapify(a,largest,n);
        }

    }
}
```

```

public static void bheap(int a[])
{

for(int i=(a.length/2)-1;i>=0;i--)
{

heapify(a,i,a.length);

}

}

public static void Sort(int a[])
{
int temp,j,i;

bheap(a);

for( i=(a.length)-1; i>0;)
{
temp=a[0];
a[0]=a[i];
a[i]=temp;
heapify(a,0,i--) ;

}

}

public static void printarray(int a[])
{
System.out.println();
for(int i=0; i < a.length; i++)
{

System.out.print(a[i]+" ");

}

}
public static void main(String[] args)

```

```
{
int n, res,i;
Scanner s = new Scanner(System.in);
System.out.print("Enter number of elements in the array:");
n = s.nextInt();
int a[] = new int[n];
System.out.println("Enter "+n+" elements ");
for( i=0; i < n; i++)
{
a[i] = s.nextInt();
}

System.out.println( "elements in array ");
printarray(a);
Sort(a);
System.out.println( "\nelements after sorting");
printarray(a);

}

}
```