

DAILY ONLINE ACTIVITIES SUMMARY

Date:	10/06/2020	Name:	Manoj L
Sem & Sec	8 th sem	USN:	4AL16CS125
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	Data Science and Machine Learning Bootcamp		
Certificate Provider	Udemy	Duration	42 hrs
Coding Challenges			
Problem Statement: 1. Implement Heap Sort Java Program Using Array.			
Status: Solved			
Uploaded the report in Github		Yes	
If yes Repository name		Manoj_L	
Uploaded the report in slack		Yes	

Certification Course

Udemy Complete 2020 Data Science & Machine Learning Bootcamp

Course content

- 111. Advanced Subsetting on DataFrames: the apply() Function (12min)
- 112. [Python] - Logical Operators to Create Subsets and Indices (13min)
- 113. Word Clouds & How to install Additional Python Packages (9min)
- 114. Creating your First Word Cloud (12min)
- 115. Styling the Word Cloud with a Mask (15min)
- 116. Solving the Hamlet Challenge (7min)
- 117. Styling Word Clouds with Custom Fonts (13min)

About this course

Learn Python, Tensorflow, Deep Learning, Regression, Classification, Neural Networks,

Coding Challenges Details:

Program 1: 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);
}
}

```