

DAILY ONLINE ACTIVITIES SUMMARY

Date:	29-07-2020	Name:	Nayan. P. Joshi
Sem & Sec	8 th Sem A	USN:	4AL16CS058
Online Test Summary			
Subject	-----		
Max. Marks	-----	Score	-----
Certification Course Summary			
Course	Introduction to Neural Networks and Deep Learning		
Certificate Provider	Great learning academy	Duration	7hrs
Coding Challenges			
Problem Statement: Java Program to add 2 complex numbers			
Status: Solved			
Uploaded the report in GitHub		Yes	
If yes Repository name		nayan1998	
Uploaded the report in slack		Yes	

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Course Outline

Course outline

Know your faculty

Neural Networks deconstructed for SL (Classification) & Intro to TensorFlow and Keras

Introduction to Neural Networks

5m

Activation functions

19m

Feed forward neural network

14m

Back propagation and Gradient descent

23m

Learning Rate setting and tuning

9m

Hands-on Python Demo: Building a Neural Network from Scratch

39m

NN MNIST Scratch v1.invbh

Program to add 2 Complex Numbers

```
package pk;
public class ComplexNumber
{
    double real, img;
    ComplexNumber(double r, double i){
        this.real = r;
        this.img = i;
    }

    public static ComplexNumber sum(ComplexNumber c1,
ComplexNumber c2)
    {
        ComplexNumber temp = new ComplexNumber(0, 0);

        temp.real = c1.real + c2.real;
        temp.img = c1.img + c2.img;
        return temp;
    }
    public static void main(String args[]) {
        ComplexNumber c1 = new ComplexNumber(5.5, 4);
        ComplexNumber c2 = new ComplexNumber(1.2, 3.5);
        ComplexNumber temp = sum(c1, c2);
        System.out.printf("Sum is: "+ temp.real+" + "+
temp.img +"i");
    }
}
```