DAILY ONLINE ACTIVITIES SUMMARY

Date:	**30/06/2020**	**Name:**	**Prathiksha**
Sem & Sec	**8th sem & B sec**	**USN:**	**4AL16CS070**

Online Test Summary

Subject	**-**		
Max. Marks	**-**	**Score**	**-**

Certification Course Summary

Course	**Network Ninja to Cloud Ninja.**		
Certificate Provider	**AWS**	**Duration**	**30 min**

Coding Challenges

Problem Statement:

1. **Java program hex to decimal conversion based on user input.**

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Status: Solved

Uploaded the report in Github	**Yes**
If yes Repository name	**Prathiksha**
Uploaded the report in slack	**Yes**

Online Test Details:

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Certification Course Details:

Legacy IT Architectures

Traditionally we created standard architectures that were designed to suit the most common use-cases, e.g. Standard DMZ, Load Balancers, WAFs, Reverse Proxies, Logging, etc. But this creates some problems:

- High costs
- Complex financial management – especially for shared services
- Long implementation times
- Over-engineering of processes/solutions to fit the needs/desires of each team – not always the needs of the business or product owner

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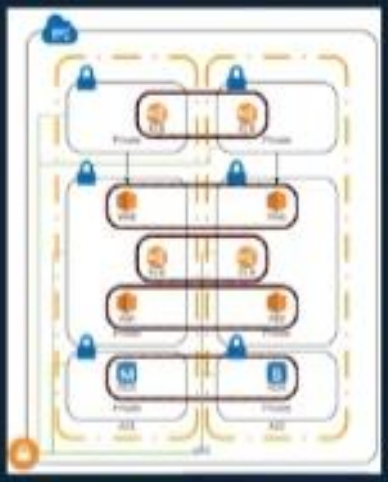
Full-stack Micro-Architectures

In the cloud, Architectures are optimized for each workload, based on functional, performance, security or compliance requirements. It is not "one-size-fits-all".

Examples of per-workload customization:

- Separate vs Shared AWS Account / VPC / Subnet
- Number of Availability Zones/Regions
- Global Traffic Management
- Network / Application Load Balancing
- Edge Services (Cloudfront CDN, API Gateway, etc)



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Topic: About Network Ninja to Cloud Ninja.

Coding Challenges Details:

Program 1:

```
import java.util.Scanner;
public class JavaExample{
   public static void main(String args[]){
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter any hexadecimal number: ");
        String hexnum = scanner.nextLine();
        scanner.close();

        //converting hex to decimal by passing base 16
        int num = Integer.parseInt(hexnum,16);

        System.out.println("Decimal equivalent of given hex number:
"+num);
   }
}
```