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# TECHNICAL ASSESSMENT

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JUNE 15, 2022

Neurogine - Technical Assessment Questionnaire - 2022

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|----------------------|---------------------------|
| Programming Language | Java 1.8                  |
| Framework            | Spring 5, Spring boot 2.7 |
| Total Marks          | 25                        |

**Marks: 5**

- Using Java 8 Map Functional, Stream and Collectors, Create a Java program for the following:
  - Convert string to uppercase and join them with comma(,)
  - Create a List with String more than 2 characters and count number of String which starts with "a" and count empty string.  
*Example of Strings: "abc", "an", "", "apple", "bcd", "", "jk"*

**Marks: 10**

- Using Spring AOP, write a java program to audit the API's of a Merchant Service. Write an interceptor for handling error thrown from the API.

```
@Service
public class MerchantService {

    public Merchant createMerchant(String name, String merchantId) {
        ...
    }

    public void deleteMerchant(String merchantId) {
        ...
    }
}
```

**Marks: 10**

- Using Spring Boot, create a demo application to perform CRUD operations of Product Management Portal by displaying the products and showing details of each product.