Jest Day 1 Exercise.

1) Implement the following logic to arrive at the loan eligibility for an employee:

(a) For an unmarried permanent job holder if the service has been for 30 years or

more, the loan amount is Rs.50,000; otherwise, the loan amount is Rs.25,000

(b) For a married permanent job holder, if the service has been for 30 years or more,

the loan amount is Rs.60,000; otherwise, the loan amount is Rs.35,000

(c) For temporary job holder, the loan amount is Rs.10,000

Test the application using the below given test cases

(a) a married temporary job holder

(b) an unmarried temporary job holder

(c) a temporary job holder with 30 years of service

(d) a married permanent job holder with 30 years of service

(e) an unmarried permanent job holder with 30 years’ service

(f) a married permanent job holder with 25 years’ service.

**(Try above with Data Driven test)**

2) Write a function **validateIPaddress** that accepts an **ipAddress** (string) as an input and

does the following validations

(a) Length should be minimum 7 and maximum 15

(b) Should not start and end with dot

(c) Should have exactly 3 dots

(d) Dots should not be in consecutive positions.

(e) Should not permit alphabets and special characters

**Write Test case with 3 valid and 3 invalid distinct input.**

3) Provide logic to validate a given a password whether the password is valid or not

(a) Length should be minimum 10 characters and maximum 50 characters

(b) Should not start and end with spaces

(c) Should not contain any special character other than underscore ( \_ )

**Write Test case with 3 valid and 3 invalid distinct input.**