Java Programming:

1)Given a string and an int n, return a string made of the first n characters of the string, followed by the first n-1 characters of the string, and so on. You may assume that n is between 0 and the length of the string, inclusive (i.e. n >= 0 and n <= str.length()).

repeatFront("Chocolate", 4) → "ChocChoChC"
repeatFront("Chocolate", 3) → "ChoChC"
repeatFront("Ice Cream", 2) → "IcI"

public String repeatFront(String str, int n) {

}

2) Given a string and an int n, return a string made of n repetitions of the last n characters of the string. You may assume that n is between 0 and the length of the string, inclusive.

repeatEnd("Hello", 3) → "llollollo"
repeatEnd("Hello", 2) → "lolo"
repeatEnd("Hello", 1) → "o"

public String repeatEnd(String str, int n) {

}

3) ArrayList containing the firstName,lastName and weight of the wrestler that will be used to create a stream

Task:

create a WWE class which has the following private member

firstName String,

lastName String,

weight int

->Define parameterized Constructor

->Define Setter and getter

Create a WWEWrestlerImplementation class which performs operation as per given requirement using stream api

a)count the number of wrestlers

b)sum of all weight of all wrestlers whose weight is above 200

c) create a method printFirstName(List <WWE> list) that returns the first name of the all wrestler.

d)write a method to find minimum weight of the wrestler.

4) **:** Write a java program that simulates a traffic light. The program lets the user select one of three lights: red, yellow, or green with radio buttons. On entering the choice, an appropriate message with “stop” or “ready” or “go” should appear in the console .Initially there is no message shown.

5) Create a method which accepts the id and the age of people as a Map and decide if they are eligible for vote. A person is eligible for vote if his age is greater than 18. Add the IDs of all the eligible persons to list and return the list.

Method Name	votersList
Method Description	Generate the list of voters based on the ages of the people
Argument	Map
Return Type	List
Logic	Accept a map with ID as key and Date of Birth as value and check if the person is eligible to vote. A person is eligible for vote for if his age is greater than 18. If the person is eligible add his ID to the list.

6)Exception Handling

Declare a class Called Person

Fields id,name,age

a)Validate the age of a person and display proper message by using user defined exception. Age of a person should be above 15.

b)if the size of name is less than 3 throw user defined Exception.

Take values from user input.

7)Create an ArrayList<integer>,

Divide the ArrayList into 2 ArrayList .if the size of ArrayList is 10 means it should divide 5 and 5 each.

If the size is 11 means it should divide 6 and 5.and find the maximum number from the divide list.