1. Write a program that calculate age with given Year, where current year is 2030

calculateAge(1993) // should return 27
calculateAge(2000) // should return 30

2. Write a program that calculates age with a given date of birth. Date Format (YYYY-MM-DD) where current year is 2030

calculateAgeFromDOB("1993-05-02") //should return 27
calculateAgeFromDOB("2000-01-22") //should return 27

3. Write a program that should return true, when given number is even

isEven(2) //true
isEven(33) //false

4. Write a program to check whether given year is Leap Year or not

isLeapYear(2000) // true
isLeapYear(2004) // true
isLeapYear(1900) //false

5. Write a program that should return a last element of an list

getFirstElement([2,4,25,235]) //235
getFirstElement(["sundar", "vel", "raj", "king"]) //king

6. Write a program that accept two string as input and it should return true, if both string has same number of characters

hasEqualChar("king", "raja") // true
hasEqualChar("queen", "rani") //false

7. Write a program that return all odd number as list with till given input

getOddList(10) // [1,3,5,7,9]
getOddList(5) // [1,3]

8. Write a program that calculates factorial of given number

factorial(5) //120
factorial(3) //6

9. Write a program that should return a count of given characters in a given string

getCount(input: "flutter training", char: "a") // should return 1
getCount(input: "flutter training", char: "t") // should return 3

10. Write a program that converts the given string in reverse without using default string.reverse()

reverseString("hello") // olleh
reverseString("flutter") //rettulf

11. Write a program that return a large number in a list

findALargestNumber([0, 5,10,200, 99, 88]) // 200
findALargestNumber([0, 5,10,200, 99, 88, 77, 291]) // 291

12. Write a program that return lengthiest word in a list

findALongWord(["hi", "hello", "are", "cool"]) //hello
findALongWord(["mexico", "hello", "are", "cool"]) //mexico

13. Write a program that should return all characters count in given string

getCharCount("raja") // {r:1, a:2, j:1}
getCharCount("appmaking") // {a:2, p:2, m:1, k:1, i:1, n:1, g:1}

14. Write a program that accepts integer list and value. Output of this program should return a list of integers which is is less than given value

filterData(input: [200, 500, 222, 30, 999], value: 500) // [200, 222, 30]
filterData(input: [199, 500, 222, 30, 999], value: 200) // [199,30]

15. Write a program that return first position of the given character in a string with & without using indexOf()

getCharPosition("sundar", "r") // 6
getCharPosition("mongoose", "o") // 2
getCharPosition("mongoose", "k") // null