NAME: Purushottam Pattanashetty(01fe21mca032)

function generateRandomString()

{

// Generate a random string

const characters ='ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz';

let result = ' ';

const charactersLength = characters.length;

for ( let i = 0; i < 5; i++ )

{

result += characters.charAt(Math.floor(Math.random() \* charactersLength));

}

// Add an epoch time to the end of the string

let epochTime = Math.round((new Date()).getTime() / 1000);

result += epochTime.toString();

// Add at least one special character

let specialChars = '!@#$%^&\*()\_+-=<>?,./';

let randomIndex = Math.floor(Math.random() \* specialChars.length);

let randomSpecialChar = specialChars[randomIndex];

result += randomSpecialChar;

return result;

}

let randomString = generateRandomString();

console.log(randomString);

const date1 = new Date('7/30/2010');

const date2 = new Date('12/30/2010');

const diffTime = Math.abs(date2 - date1);

const diffDays = Math.ceil(diffTime / (1000 \* 60 \* 60 \* 24));

console.log(diffDays + " days");

var kms = 5

var miles = kms / 1.609;

console.log(miles);

let na = ["Eliphant", "Austrich", "Ether", "Eric"];

let eNa = na.filter(na => na.charAt(0) === 'e' || na.charAt(0) === 'E');

console.log(eNa);

function findLargestNum(n1, n2, n3)

{

let largest = 0;

if (n1 > n2 && n1 > n3)

{

largest = num1;

}

else if (n2 > n3)

{

largest = num2;

}

else

{

largest = n3;

}

return largest;

}

let largestNum = findLargestNum(4, 4, 5);

console.log(largestNum);

function dec(number)

{

let binary = '';

while (number > 0)

{

binary = (number % 2) + binary;

number = Math.floor(number / 2);

}

return binary;

}

let deci = 10;

let binary = dec(deci);

console.log(binary);

function rev(str) {

let s1 = '';

for (let i = str.length - 1; i >= 0; i--) {

s1 += str[i];

}

return s1;

}

let inputString = ('HELLO GOOGLE');

let s1 = rev(inputString);

console.log(s1);

function descOrder(s) {

s.sort().reverse();

str1 = s.join("");

document.write(str1);

}

var s = "Google";

s = s.split("");

descOrder(s);

//online platform it has run