```
function gcd two numbers(x, y) {
x = Math.abs(x);
y = Math.abs(y);
console.log("Greatest common Divisor: ", gcd two numbers(12, 144));
console.log("Greatest common Divisor: ", gcd two numbers(95, 35));
function grades(num) {
  return "Grade is: A 🤓";
if (num >= 80 && num <= 89) {
  return "Grade is B 🐸";
  return "Grade is C 😕 ";
  return "Grade is D 😤";
  return "Grade is F 🤬";
```

```
console.log(grades(85));
function leapyear(year) {
 return year % 100 === 0 ? year % 400 === 0 : year % 4 === 0;
console.log(leapyear(2016));
console.log(leapyear(2020));
console.log(leapyear(1754));
console.log(leapyear(1800));
console.log(leapyear(100));
function pigLatin(str) {
str = str.toLowerCase();
 const vowels = ["a", "e", "i", "o", "u"];
 let vowelIndex = 0;
if (vowels.includes(str[0])) {
  return str + "way";
```

```
if (vowels.includes(char)) {
      vowelIndex = str.indexOf(char);
  return str.slice(vowelIndex) + str.slice(0, vowelIndex) + "ay";
console.log(pigLatin("water"));
function main(n) {
  console.log("Weird");
  console.log("Not Weird");
  console.log("Weird");
  console.log("Not Weird");
```

```
function lonelyNumber(numbers) {
let appearances = {};
for (let num of numbers) {
  if (appearances.hasOwnProperty(num)) {
    delete appearances[num];
    appearances[num] = true;
return parseInt(Object.keys(appearances)[0]);
function sumDigits(num) {
  const arr = String(num).split("");
  num = arr.reduce((sum, item) => {
    return sum + Number(item);
return num;
console.log("SumDigits result is: ", sumDigits(49));
```

```
let temp = arr[j];
      arr[j] = arr[j + 1];
      arr[j + 1] = temp;
console.log("Bubble sort is: ", bubbleSort([7, 4, 45, 35, 19, 28, 101, 83]));
function removeDuplicates(data) {
data.forEach((element) => {
  if (!unique.includes(element)) {
 return unique;
var arr = [1, 5, 7, 8, 4, 3, 1, 6, 9, 8, 14];
console.log(removeDuplicates(arr));
function isPalindrome(str) {
```

```
function findLongestWordLength(str) {
let maxVal = 0;
  if (word.length > maxVal) {
   maxVal = word.length;
return maxVal;
```