1. How to Find The Duplicate value and it’s count

1. Find Given number is Even or Odd

**let** number = 221;

**if**(number % 2 == 0){

print("Given Numver:\(number) is even")

}**else**{

print("Numver:\(number) is odd")

}

// Sweep Two Number using temop varialbe or without temp variable

**var** N1: Int = 20;

**var** N2: Int = 30;

**let** temp: Int = N1;

N1 = N2;

N2 = temp

print("Sweep Number N1:\(N1) and N2:\(N2)")

N1 = N1 + N2;

N2 = N1 - N2;

N1 = N1 - N2

print("Sweep Number N1:\(N1) and N2:\(N2)”)

// Check Number is Prime Or Not

**let** Number = 12

**var** isPrime: Bool = **true**;

**if**(Number == 0 || Number == 1){

isPrime = **false**;

}**else**{

**for** i **in** 2...Number-1{

**if**(Number % i == 0){

isPrime = **false**

}

}

}

**if**(isPrime){

print("Given number:\(Number) is Prime");

}**else**{

print("Given number:\(Number) is Not Prime");

}

// Reverse No using while loop

**var** Number = 42576;

**var** ReverNo = 0;

**while** Number != 0 {

**let** Reminder = Number % 10;

ReverNo = ReverNo \* 10 + Reminder;

Number = Number / 10;

}

print("Reverse No is:\(ReverNo)”)

**var** ReverNo = 0;

print("Reverse No is:\(ReverNo)")

**func** reverseNumber(Number: Int){

**if**(Number < 10){

**let** Reminder = Number % 10;

ReverNo = ReverNo \* 10 + Reminder;

}

**let** Reminder = Number % 10;

ReverNo = ReverNo \* 10 + Reminder;

**let** NewNumber = Number / 10;

reverseNumber(Number: NewNumber);

}

print("Reverse No is:\(ReverNo)”)

// Find the fectorial No for Given No

**let** fectorialNo = 200;

**for** i **in** 1...fectorialNo-1{

**if**(fectorialNo % i == 0){

print("Fectoris of\(fectorialNo) is:\(i)")

}

}

//String Reversed

**let** str = "Hello, world!"

**let** reversed = String(str.reversed())

print(reversed)

**let** charArray:Array<Character> = Array(str)

**var** reverString = ""

**for** i **in** charArray.reversed() {

reverString.append(i)

}

print("reverString:\(reverString)")

// Conversion String to Array and Array to Dictionary and Set

**let** Str = "Abhi Rai" // create string

**let** array: Array<String> = ["Ram", "Abhi", "Shayam"] // create [String] Array

**let** array1: Array<Character> = Array(Str) // Convert String to Char Array

**let** dicnary: Dictionary<String, Int> = ["Ram":10, "Abhi":20, "Shayam":5] // create [String] Array

**let** set: Set<String> = ["Ram", "Abhi", "Shayam"] // create [String] Set

**let** setx = Set(array) // convert Array to Set

Find The Duplicate value and it’s count

**var** rowString = "iOS is an operating system designed and developed by Apple. Apple first released iOS with the first ever iPhone in 2007. iOS was firstly known as iPhoneOS then it was renamed to iOS in 2010 with launch of iOS 4."

**let** charArr = Array(rowString)

**var** dict = Dictionary<String,Int>()

**for** items **in** charArr {

**var** mohanScore = dict[String(items)]

**if**(**nil** != mohanScore){

dict[String(items)] = mohanScore! + 1

}**else**{

dict[String(items)] = 1

}

mohanScore = dict[String(items)]

// print("items:\(items) and Count:\(mohanScore)")

}

**for** items **in** dict {

print("items:\(items.key) and Count:\(items.value)")

}