**Assignment – 4**

**(String and Function)**

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Class : TY CSE

PRN : 22510034 Batch : T-3

Source Codes :

import Foundation

//Q1

//let name = "Alice"

//let age = 25

//print("\(name) is \(age) years old.")

////Q2

//let num1 = 10

//let num2 = 5

//print("The sum of \(num1) and \(num2) is \(num1 + num2)")

//

//

//Q3

//let str = "Popatlal"

//print("The length of the string is \(str.count)")

//Q4

//let message = "HelloWorld"

//

//print("Uppercase : \(message.uppercased())")

//print("Lowercase : \(message.lowercased())")

//Q5

//let str = ""

//if str.isEmpty{

// print("String is empty")

//}

//else{

// print("String is not empty")

//}

//Q6

//let str1 = "hello"

//let str2 = "world"

//

//print(str1 + " " + str2)

//Q7

//let word = "SwiftLanguage"

//print(word.hasPrefix("Swift"))

//Q8

//let website = "https://ocdetect.vercel.app"

//print(website.suffix(4))

//Q9

//let text = "The quickest fast bowler"

//print(text.contains("fast"))

//Q10

//let str1 = "Hello"

//let str2 = "hello"

//print(str1==str2)

////Q11

//let str1 = "Hello"

//let str2 = "hello"

//print(str1.lowercased() == str2.lowercased())

//// Q12

//func isWeekend() -> Bool {

// let today = Calendar.current.component(.weekday, from: Date())

// return today == 7 || today == 1

//}

//

//print(isWeekend())

// Q13

//func isEven(number: Int) -> Bool {

// return number % 2 == 0

//}

//

//print(isEven(number: 6))

//

//// Q14

//func celsiusToFahrenheit(celsius: Double) -> Double {

// return celsius \* 9 / 5 + 32

//}

//print(celsiusToFahrenheit(celsius: 56.21))

//

//// Q15

//func power(base: Int, exponent: Int = 2) -> Int {

// return Int(pow(Double(base), Double(exponent)))

//}

//

//print(power(base: 2, exponent: 5))

//// Q16

//func calculateArea(of length: Double, and width: Double) -> Double {

// return length \* width

//}

//

//print(calculateArea(of: 3, and: 3))

// Q17

//func greet(person name: String) {

// print("Hello, \(name)!")

//}

//

//print(greet(person: "SureshRaina"))

//// Q18

//func repeatMessage(\_ message: String, \_ times: Int) {

// for \_ in 0..<times {

// print(message)

// }

//}

//

//print(repeatMessage("This is the message", 5))

//

//// Q19

//func maxOfTwo(a: Int, b: Int) -> Int {

// return a > b ? a : b

//}

//

//print(maxOfTwo(a: 67, b: 76))

//// Q20

//func factorial(n: Int) -> Int {

// if n == 0 {

// return 1

// } else {

// return n \* factorial(n: n - 1)

// }

//}

//

//print(factorial(n: 7))

//

//

//

//

//

Output Sequentially…

