**44643 Mobile Computing-iOS**

**Arrays01**

1. var numbers:[Int] = [2,3,4]

print(numbers)

[2, 3, 4]

1. var emptyArray = [Int]()

print(emptyArray)

[]

1. var programmingLanguages = ["Swift", "Java", "Python"]

print(programmingLanguages[0])

Swift

1. var programmingLanguages = ["Swift", "Java", "Python"]

programmingLanguages[0] = "Java Script"

print(programmingLanguages[0])

Java Script

1. Answer the below questions.

var names:[String] = ["Oliver", "Elijah", "James"]

1. print("Before appending \(names)")

names.append("Masthan")

print("After appending \(names)")

Before appending ["Oliver", "Elijah", "James"]

After appending ["Oliver", "Elijah", "James", "Lucas"]

1. print("Before inserting \(names)")

names.insert("Benjamin", at: 2)

print("After inserting \(names)")

Before inserting ["Oliver", "Elijah", "James", "Lucas"]

After inserting ["Oliver", "Elijah", "Benjamin", "James", "Lucas"]

1. print(names.count)

5

1. names.sort()

print("After sorting \(names)")

After sorting ["Benjamin", "Elijah", "James", "Lucas", "Oliver"]

1. names.reverse()

print("After reversing \(names)")

After reversing ["Oliver", "Lucas", "James", "Elijah", "Benjamin"]

1. names.remove(at: 2)

print("After removing \(names)")

After removing ["Oliver", "Lucas", "Elijah", "Benjamin"]

1. names.swapAt(1, 2)

print("After swapping \(names)")

After swapping ["Oliver", "Elijah", "Lucas", "Benjamin"]

1. var oddNumbers = [1,3,5,7]

var evenNumbers = [2,4,6,8]

oddNumbers.append(contentsOf: evenNumbers)

print("After combining \(oddNumbers)")

After combining [1, 3, 5, 7, 2, 4, 6, 8]