**44643 Mobile Computing-iOS**

**Sets01**

//Sets are unordered collection of data.

//You can print the values in any order.

1. Answer the below questions.

var players : Set<String> = ["David Warner", "Virat Kohli", "Kane Williamson", "Steve Smith"]

1. print(players.count)

4

1. print(players)

["Steve Smith", "Kane Williamson", "Virat Kohli", "David Warner"]

1. print(players.contains("Steve Smith"))

true

1. players.insert("Maxwell")

print(players)

["Virat Kohli", "David Warner", "Kane Williamson", "Maxwell", "Steve Smith"]

1. players.remove("David Warner")

print(players)

["Virat Kohli", "Kane Williamson", "Maxwell", "Steve Smith"]

1. var primeNumbers : Set<Int> = [2,3,5,7,11]

var numbersList : Set<Int> = [1,2,5,9]

1. var unionSet : Set<Int> = primeNumbers.union(numbersList)

print(unionSet)

[2, 9, 5, 7, 3, 11, 1]

1. var intersectionSet : Set<Int> = primeNumbers.intersection(numbersList)

print(intersectionSet)

[5, 2]

1. var subtractionSet : Set<Int> = primeNumbers.subtracting(numbersList)

print(subtractionSet)

[7, 3, 11]

1. var symmDiffSet :Set<Int> = primeNumbers.symmetricDifference(numbersList)

print(symmDiffSet)

[1, 7, 3, 11, 9]

1. print(primeNumbers.isSubset(of: numbersList))

false