**44643 Mobile Computing-iOS**

**While – Loop and Repeat-while loop:**

1. var number: Int = 5

var factorial: Int = 1

print("Calculating the factorial of \(number):", terminator: " ")

while number > 1{

factorial \*= number

number -= 1

}

print(factorial)

1. var currentValue: Int = 40

while currentValue >= 4 {

if currentValue % 4 == 0 {

print("\(currentValue)", terminator: " ")

}

currentValue -= 1

}

1. var count = 10

repeat {

print(count, terminator: " ")

count -= 1

} while count >= 1

1. var repetitions = 0

let targetRepetitions = 3

repeat {

print("Swift is Fun!") repetitions += 1

} while repetitions <targetRepetitions

1. var x = 0

var y = 5

while y > 0 {

y -= 1

x = 0

while x < 5 {

x += 1

if x == y {

continue

}

print("(\(x), \(y))", terminator: " ")

}

}

1. var value = 80

while value > 40 {

value -= 20

}

print(value)

if value > 50 {

value -= 10

}

else {

value += 15

}

print(value)