**44643 Mobile Computing-iOS**

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

1. **var prodNumber:Int = 6**

**var product:Int = 1**

**print("The product of first \(prodNumber) numbers is",terminator:" ")**

**while prodNumber>0 {**

**product\*=prodNumber**

**prodNumber-=1**

**}**

**print(product)**

**output : The product of first 6 numbers is**

1. **var rangeValue:Int = 30**

**while rangeValue >= 1 {**

**if rangeValue%3 == 0 {**

**print("\(rangeValue)",terminator:" ")**

**}**

**rangeValue-=1**

**}**

**Output : 30 27 24 21 18 15 12 9 6 3**

1. **var number = 1**

**repeat {**

**print(number,terminator:" ")**

**number += 1**

**} while number <= 10**

**Output: 1 2 3 4 5 6 7 8 9 10**

1. **var number = 3**

**repeat {**

**print("Hello World!!")**

**number+=1**

**} while (number <= 2)**

**Output : Hello World!!**

1. **var a=0**

**var b=10**

**while (b-2 > 0){**

**b-=2**

**while (a+2 < 10){**

**a+=2**

**if a==b {**

**continue**

**}**

**print("(\(a),\(b) )",terminator:"")**

**}**

**}**

**Output : (2,8 )(4,8 )(6,8 )**

1. **var d = 100;**

**while( d > 50 )**

**{**

**d = d - 30**

**}**

**print(d)**

**if( d > 70 ){**

**d-=20;**

**}**

**else{**

**d+=35;**

**}**

**print(d);**

**output : 40**

**75**