

Loop Examples Ch06

```
import Foundation
// version #1

print("Hello, World!")

var counter:Int = 3
var sum:Int=0
for counter in 1...5 {
    sum += counter
    print(counter)
}
print(sum)

// version #2
/*
for i in 1...5 {
    print(i)
}
*/

// version #3
// replacing counter variable with _
for _ in 1...5 {
    print(sum)
}

// version #4
print("Example #4")
for i in 1...10 {
    if( i % 2 == 0)
    {
        print(i)
    }
}

// version #5
print("Example #5")
for i in 1...10 where i % 2 == 0 {
    print(i)
}
```

```
// version #6
print("Example #6")
for i in 1...10 where i % 2 == 0 {
    print("Even values: \(i)")
}
```

// while loop

```
print("Examples while loop")
var j = 1
while j < 6 {
    print("Hello")
    j = j + 2
}
```

// repeat while loop

```
print("Examples repeat while loop")
var k = 1
repeat {
    print("Hello")
    k = k + 2
} while k < 6
```