**Calculate Factorial of a given number using For-loop**

**Module** Factorial\_ForLoop

**Sub** main()

**Dim** n, i, f **As** Integer

Console.Write("Enter a Number: ")

n = **CInt**(Console.ReadLine())

f = 1

**If** n < 0 **Then**

Console.WriteLine("Factorial of negative number is not possible")

**ElseIf** n = 0 **Or** n = 1 **Then**

Console.WriteLine("Factorial of " + n.ToString() + " is 1")

**Else**

**For** i = 1 **To** n

f \*= i

**Next**

Console.WriteLine("Factorial of " + n.ToString() + " is " + f.ToString())

**End** **If**

Console.ReadLine()

**End** **Sub**

**End** **Module**

**Check whether the number is Palindrome or not**

**Module** Palindrome

**Sub** Main()

**Dim** n, r, sum, t **As** Integer

Console.Write("Enter a Number:")

n = **CInt**(Console.ReadLine())

sum = 0

t = n

**While** n <> 0

r = n **Mod** 10

sum = sum \* 10 + r

n = n \ 10

**End** **While**

**If** sum = t **Then**

Console.WriteLine(t.ToString() + "is a Palindrome Number")

**Else**

Console.WriteLine(t.ToString() + "is NOT a Palindrome Number")

**End** **If**

**End** **Sub**

**End** **Module**

**Check whether the given number is Armstrong Number or not**

**Module** ArmstrongNumber

**Sub** Main()

**Dim** n, r, sum, t **As** Integer

Console.Write("Enter a number= ")

n = **CInt**(Console.ReadLine())

sum = 0

t = n

**While** n <> 0

r = n **Mod** 10

sum += Math.Pow(r, 3)

n = n \ 10

**End** **While**

**If** sum = t **Then**

Console.WriteLine(t.ToString + " is a Armstrong Number")

**Else**

Console.WriteLine(t.ToString + " is NOT an Armstrong Number")

**End** **If**

Console.ReadLine()

**End** **Sub**

**End** **Module**

**Find Sum using Class**

**Public** **Class** **Class1**

**Dim** a, b **As** Integer

**Sub** **New**()

Console.Write("Enter 1st number : ")

a = **CInt**(Console.ReadLine())

Console.Write("Enter 2nd number : ")

b = **CInt**(Console.ReadLine())

**End** **Sub**

**Sub** add()

**Dim** c **As** Integer

c = a + b

Console.WriteLine()

Console.WriteLine("Sum = " + c.ToString())

**End** **Sub**

**End** **Class**

**Module** SumUsingClass

**Sub** Main()

**Dim** obj **As** **New** Class1

obj.add()

Console.ReadLine()

**End** **Sub**

**End** **Module**

**Print Reverse of a number**

**Module** reverse

**Sub** Main()

**Dim** n, r **As** Integer

Console.Write("Enter a number:")

n = **CInt**(Console.ReadLine())

**While** n <> 0

r = n **Mod** 10

Console.Write(r)

n \= 10

**End** **While**

**End** **Sub**

**End** **Module**

**Leap Year Checking**

**Module** LeapYear

**Sub** main()

**Dim** y **As** Integer

Console.Write("Enter Year:")

y = **CInt**(Console.ReadLine())

**If** y **Mod** 100 = 0 **Then**

**If** y **Mod** 400 = 0 **Then**

Console.WriteLine("The year is a Leap year")

**Else**

Console.WriteLine("The year is NOT a Leap year")

**End** **If**

**Else**

**If** y **Mod** 4 = 0 **Then**

Console.WriteLine("The year is a Leap year")

**Else**

Console.WriteLine("The year is NOT a Leap year")

**End** **If**

**End** **If**

Console.ReadLine()

**End** **Sub**

**End** **Module**