

# Temperature Conversion C# Program

```
using System; // www.java2s.com
namespace tempMath
{
    public class Temperature
    {
        public static void Main(String[] argv)
        {
            Console.WriteLine("Temperature Conversion Program");
            string userInput;
            double degC, degF, x;
            x = 1.8;
```

Begin:

```
Console.WriteLine("Are you converting degC to degF (1)? ");
Console.WriteLine("Else are you converting degF to degC (2)? ");
userInput = Console.ReadLine();
```

// User enter choice

```
if (userInput == "1") // degC to degF
{
    Console.WriteLine("Enter a value for Temp. in degreeC: ");
    userInput = Console.ReadLine();
    degC = Convert.ToDouble(userInput);
    degF = degC * x + 32.0;
    Console.WriteLine(degC + " degC is equivalent to " + degF + " degF");
}

else if (userInput == "2") // degF to degC
```

```
{
    Console.WriteLine("Enter a value for Temp. in degreeF: ");
    userInput = Console.ReadLine();
    degF = Convert.ToDouble(userInput);
    degC = degF - 32.0;
    degC = degC / x;
    Console.WriteLine(degF + " degF is equivalent to " + degC + " degC");
}

else // error trap
{

    Console.WriteLine(" Not a valid option");
    Goto Begin;
}

}
}
}
}
```

## Password Creation & Check Program

```
using System; //www.java2s.com
namespace passwordCheck
{
    public class Password
    {
        public static void Main(String[] argv)
        {
            string userInput, input1;
            int length;
            Console.WriteLine("Checking Password Entry Attempts");
            Begin:
            Console.WriteLine("Enter a 6-character PIN");
            userInput = Console.ReadLine();
            length = userInput.Length;
            input1 = userInput;
            if (length != 6)
            {
                Console.WriteLine("The number of charactersts of '{0}' is {1}", userInput,
length);
                Console.WriteLine("Entry not valid; try again ");
                goto Begin;
            }
            Console.WriteLine("Re-enter your PIN");
            userInput = Console.ReadLine();
            if (userInput != input1)
            {
                Console.WriteLine("Passwords do not match; try again");
                goto Begin;
            }
            Console.WriteLine("Passwords match; Well Done! ");
        } } }
```