

# Code conventions - C#

Dobre porovnanie C# k Java k precitaniu

[http://www.harding.edu/fmccown/java\\_csharp\\_comparison.html](http://www.harding.edu/fmccown/java_csharp_comparison.html)

## 1. Nazvy premennych , kapitalizacia pismen

### 1.1 PascalCase

Príklad:  
BackColor

Pouzitie:  
Nazvy namespace, metod, suborov, public properties

### 1.2 camelCase

Príklad:  
backColor

Pouzitie:  
Nazvy private variables a parametrov

- Jedina vynyimka je pre premenne so skratkami ktore by mali byt velkym a maju viac ako 2 velke znaky porade, pouzit PascalCase pravidlo (tieto znaky malym)  
`HtmlHelper htmlHelper;`
- Pri premennych typu Boolean je vhodne zvolit prefix "Can", "Is" alebo "Has".
- Citatelnost nazvov premennych je preferovana pred rychlostou napisania  
`CanScrollHorizontally > ScrollableX`
- V nazvoch premennych sa pokusat nepouzivat slovicka z programovacieho jazyka  
`// Naming the following variable inputInt is misleading.`  
`// It is a string.`  
`var inputInt = Console.ReadLine();`  
`Console.WriteLine(inputInt);`
- Pred nazvy Interfacov dat I
  1. `public interface IShape`
  2. `{`
  3. `}`
- Dlzka riadka obsahujuca kod alebo komentar by nemala presahovat 80 znakov



- Try catching podobne ako v Java

```
static string GetValueFromArray(string[] array, int index)
{
    try
    {
        return array[index];
    }
    catch (System.IndexOutOfRangeException ex)
    {
        Console.WriteLine("Index is out of range: {0}", index);
        throw;
    }
}
```

- Premenne drzat navrchu classy, staticke vzdy najvyssie.

```
1. public class Account
2. {
3.     public static string BankName;
4.     public static decimal Reserves;public Account()

1.     public string Number {get; set;}
2.     public DateTime DateOpened {get; set;}
3.     public DateTime DateClosed {get; set;}
4.     public decimal Balance {get; set;}
5.
6.     // Constructor
7.     public Account()
8.     {
9.         // ...
10.    }
11. }
```

### 3. Komentare

- Komentary na vlastne riadky (nie na riadok za kod) pridat space hned za // znackou. Tiez sa ich pokusat drzat citatelne odriadkovanim.  
// The following declaration creates a query. It does not run  
// the query.