Wtw C#

1. C#: microsoft, common language run time? compile
2. Java vs c#?
3. .Net: ramverk
4. .Net core
5. Arv
6. Inkapsling
7. Polymorfism
8. Återvändring
9. .Net to visualStudio
10. Murach
11. Design patterns
12. Linq
13. Namespace : folder, projekt
14. Varje class till en cs?
15. Cs?
16. Change theme: tools -> options -> general -> color theme dark
17. Interactive
18. Cs?
19. Readkey (1tecken) vs readline (helrad)
20. Chagne name
21. Assign not assign
22. Int.tryparse decimal.tryparse?
23. int x;

var x = 42;

x=42

1. Char
2. Enum?
3. Array vs arraylist.
4. List=arraylist? Nope. **xx**

var list = new ArrayList();

var list = new List<int>();Eller? **||xx**

1. Different types? Array of object? Får inte **xx**
2. 2d array
3. Teckan tabellen. <https://www.dotnetperls.com/ascii-table>
4. Nullable

int[] values = null;

int? numValues = values?.Length; // numValues blir null

funkar typ som “if”

string[] names = null;

string ucFirst = names?[0]?.ToUpper();

1. List, with key, dictionary, sortedlist, ?

https://programmingwithmosh.com/csharp/csharp-collections/

Dictionary, HashSet, Stack, Queue, list

var ages = new SortedList<string, int>();

.key

.value

1. Int value = 0 vs var value =0?

Explicit: tydlig? Implicit: lättare att skriva, useful when using LINQ

1. Nullable
   1. Deklarera en nullable int och en nullable bool

int? a = null;

bool? B = null;

* + 1. Hur får man värdet från en nullable-typ?

Int x = a ?? 10;

Int x = a.Value;

* + 1. Hur använder man en null condition?

int y = x ?? -1;

* 1. Varför kan det vara bra med nullable??

” Assigning a null value to a value type was a challenge for a long time until the concept of nullable types were introduced. You cannot assign a null value directly to a value type. You cannot assign a null value directly to a value type. You can assign a null value to a value type only by taking advantage of nullable types -- a feature added to the newer versions of .Net Framework.”

1. Enum: anställda, addresser, pris… alternativ, fixade, välj från, kan lägga till. Passar inte
2. Exempel: mode på calculator, matching, switch cases
3. Flags-enum