C# Programming Reference Sheet

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Built In Data Types & Literals Integers int Floating Point Numbers float, double Strings and Characters string, char Boolean bool	Working with Strings Assignment (giving a string a value) string str = "hello" Concatenation (joining strings) str = "hello" + "world"; Comparison String.Compare(string1, string2, true) Construction from other types: int.ToString; Convert.ToString(i);
Simple Programming Statements Constant declaration const float PI = 3.14; Variable declaration int integer; Assignment Integer = 10; Method call Class.Method; Sequence of statements - grouped {}	Structured Programming Statements If statement If (i < a){}else{} Case statement switch (i) case 1: a = 0; break; case 2: a = 1; break; default: a = 2; While loop While (a > 3){} Repeat loop do {} while (I <>0) For loop for (i = 0; I<10; i++) {}
Declaring Methods Declare a method with parameters: void Method(string int) Declare a method that returns data: int Method() Pass by reference: string Method(ref int a)	Boolean Operators and Other Statements Comparison: equal, less, larger, not equal, less eq ==, <, >, <>, <= Boolean: And, Or and Not &, , ! Skip an iteration of a loop continue; End a loop early break; End a function/procedure: return;
Custom Types Classes	Arrays Declaration int[] a; Access a[0] Loop with index i for (int i = 0; i < a.length; i++) {} For each loop A[i]
Programs and Modules Creating a program class MainClass Using a class from a library ClassName a = new ClassName();	Other Things Reading from Terminal