

Data Types			Flow Control		Console I/O >_	
Name	Example		Branching ⌘		Line Output	Line Input
bool	bool flag = True		if (condi tion) {	while (condi tion) {	Console.WriteLine()	Console.ReadLine()
char	char c = '#'		(statments)	(statments)	Console.WriteLine()	
string	string text = "cake is great"		}	}		
int	int x = 29		elseif (condi tion)	do {		
double	double a = 3.14		{	(statments)		
			(statments)	} while (condi tion)		
			}			
			else {	for (initi ali zation; condition; step)		
			(statments)	{		
			}	(statments)		
				}		
Casting and Type Conversions			Boolean Logic Operators			
From	To	Use	Operator	Meaning		
double	int	(int)x	&&	and		
string	int	int.Parse(x)		or		
x means the original variable that you are converting.			!	not		
example: a = (int)7.2						
Arrays 📦						
Initialization						
datatype[] name = new datatype[size]						
example: int[] arr = new int[2]						
datatype[] name = {value1, value2, ...}						
example: string[] names = {"Bo b", " Jac k", ..						
.}						
Multi-Dimensional Arrays						
datatype[,] name = new datatype[size0, siz						
e1]						
example: int[,] arr = new int[2, 4]						

