

## ICTPRG418 C# Programming Help Sheet

### Keywords

Keywords are reserved in C# and cannot be used for variable names. Remember these are case sensitive so capital letters change the meaning

int	bool	float	Decimal
double	void	static	const
if	while	do	switch
short	char	byte	long
case	default	else	break
continue	uint	var	enum

### Variable naming

There are some strict guidelines to creating variable names

Can	Can't
Lower case letters	Begin with a number
Upper case letters	Use special characters e.g. {*\$#@
Numbers	Be a keyword in C#
Underscores	Have spaces

### Common bug fixing hints

When your code fails to run there are some key things to look out for to try and fix the code.

1. Check the spelling of variables, keywords and function names.  
e.g. Console.WriteLine("some text"); is not the same as console.Writeline("some text");  
The missing capital letters on Console and WriteLine cause a syntax error.
2. Check if any semi colons are missing.  
e.g. Most lines of code finish with a semi colon ; there are a few exceptions to be aware of such as if/else statements while loop, curly brackets {}
3. When the compiler throws an error check both the line showing the error and the line of code above it. Quite often it's caused by a missing bracket or semi colon on the line above.
4. Check all brackets { [ < ( have a matching closing bracket } ] > )
5. Indent all of your code with tabs to improve the layout this also helps with finding errors in the code.