Year 11 SDD C# Cheat Sheet

by cjaques via cheatography.com/53199/cs/14373/

Data Types

bool	Boolean Value
int	Integer (32 Bit)
string	String Value
float	Integer with Decimal (32 Bit)
double	Integer with Decimal (64 Bit)

Declaring Variables:

DataType variableName = value;

Examples:

string mySchool = "Pacific Hills Christian School";
int myPostcode = 2158;
bool gameOver = false;

Type Conversion Methods

Convert.ToInt32

Convert.ToDouble

Convert.ToString

Example:

playerguess = Convert.ToInt32(Console.ReadLine());

Arrays

int[] array = new int[] {1, 2, 3}

int[] array = {1, 2, 3}

var array = new int[] {1, 2, 3}

int[] array = new int[3]

Examples:

Declaring:
string[] PHCS = {"Quarry Rd", "Dural"};

Assigning
PHCS[0] = "9-14 Quarry Rd"

Accessing
Console.WriteLine(PHCS[1])

Statements

Arithmetic Operators

+	Add Numbers
-	Subtract Numbers
*	Multiply Numbers
/	Divide Numbers
%	Compute remainder of division of numbers
++	Increase integer value by 1
--	Decreases integer value by 1

Comparison Operators

<	Less than
>	Greater than
<=	Less than or equal to
=>	Greater than or equal to
==	Equal to
!=	Not Equal to

if-else	if (true) {...} else if (true) {...} else {...}
switch	switch (var) { case 1: break; default: break; }
for	for (int i =1; i < 5; i++) {...}
foreach-in	foreach (int item in array) {...}
while	while (true) {...}
do... while	do {...} while (true);
try-catch-finally	try {...} catch (Exception e) {...} catch {...} finally {...}

Logical Operators	
and	&&
or	||
not	!

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Published 18th January, 2018.
Last updated 18th January, 2018.

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