Cheatography

C# / Selenium Cheat Sheet by deadairx via cheatography.com/39568/cs/12283/

Variable Types		
sbyte	8bit	-128 to 127
byte	8bit	0 to 255
short	16bit	-32,768 to 32,767
ushort	16bit	0 to 65,535
int	32bit	-2,147,483,648 to 2,147,483,647
uint	32bit	0 to 4,294,967,295
long	64bit	-9,233,372,036,854,775,808 to 9,223,372,036,854,775,807
ulong	64bit	0 to 18,446,744,073,709,551,615
char	16bit	0 to 65535
float	32bit	-1.5 x 1045 to 3.4 x 1038
double	64bit	-5 x 10324 to 1.7 x 10308
decimal	128bit	-1028 to 7.9 x 1028
bool	1 bit	True or False

Git Commands	
commit	save current version of your code
push	send all local commits to server
fetch	grab all commits from server
merge	update current branch to match server
pull	same as fetch and merge

Arithmetic Operators		
+	Addition	
-	Subtraction	
*	Multiplication	
/	Division	
%	Modulus / Remainder	
++	Increment	
	Decrement	

Declare Variables

<pre>[type] [varName] = [value];</pre>
string word = "Hello";
int $x = 42;$
bool thing = true;
int y; // Initialize without defining

General Stuff

PascalCase

camelCase

method()

Selenium	
FindElement()	find element on current page, selects first element if multiple exist
FindElements ()	find all elements on page (generally to add to list or array)
Navigate()	navigate browser to a location
Hierarchy of Element Identifiers	

merge	update current branch to match server	
pull	same as fetch and merge	
Arithmetic Operators		
+	Addition	

/	Division	
%	Modulus / Remain	nder
++	Increment	
	Decrement	
Assi	gnment operators	
=	Simple Assignment	A = 10
+=	Add and Assign	A += 10 is similar to A = A + 10
-=	Subtract and Assign	A -= 10 is similar to A = A - 10
*=	Multiply and Assign $A = 10$ is similar to $A = A 10$	
/=	Divide and Assign A /= 10 is similar to A = A / 10	

```
int A = 10;
```

Iry	
try	for code that has a possibility to fail
catch (Exception e)	code that runs if the try failed
finally	code that runs regardless of try pass or fail

Creating a Method

```
[privacy] [static?] [returnType] [name]([varType?]
[varName?])
public static string helloWorld()
{
    return "word";
}
private void login(string user, string pass)
{
    driver.FindElement...
```

ClassName

Name

ld

CssSelector

XPath



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Method Return Types	
[any data type]	method must return that data type
void	method doesn't return anything

Control Statements		
if	run the next code block if condition is true	
else if	run if previous if condition was false and this condition is true	
else	run if all previous conditions were false	
switch	checks variable and runs a case that matches	
while loop	run the next code block until condition is false	
do while loop	same as while, but checks condition at the end and runs at least once	
for loop	run code block for a set number of times	
foreach loop	run code block for every object in a Collection (List, Dictionary, etc.)	
break	break out of current code block	
continue	stop current iteration of loop and start next iteration	

Relational operators		
==	Equal to	A==B false
!=	Not Equal to	A!=B true
<	Less than	A <b th="" true<="">
>	Greater than	A>B false
<=	Less than Equal to	A<=B true if A=10,B=10
>=	Greater than Equal to	A>=B true if A=10,B=10

int A=10, B=20;

Logi	Logical operator		
&&	AND	A&&B is true is both A and B are true	
	OR	A B is true if either one is true	
!=	NOT	!(A&&B) if the result of A&&B is true then the end result will be false	

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