

Features	C++	JavaScript	PHP
Source Code	Statements within main() function	Statements within <SCRIPT> and </SCRIPT>	Statements within <?php and ?>
Data types	int, char, float, double, void	Number, String, Boolean	Integer, Float, String, Boolean
Variables	User defined words. Consists of letters and digits.	Same	Same but begins with \$ symbol
Variable declaration	data_type variable; (int a;)	var variable; (var a;)	No declaration
Arithmetic operators	+ - * / %	Same	Same
Increment, decrement	++ --	Same	Same
Assignment operators	= += -= *= /= %=	Same	Same
Relational operators	< <= > >= == !=	Same	Same
Logical operators	&& !	Same	Same
String concatenation	strcat() function // strcat(s1;s2);	+ operator (str=string1+string2;)	Dot (.) operator (str=string1.string2;)
if statements	if (test_expression) Statement;	Same	Same
	if (test_expression) statement_1; else statement_2;	Same	Same
	if (test_expression1) statement_1; else if (test_ewxpression2) statement_2; : : else statement_n;	Same	Same

 switch statement	<pre>switch (variable/expression) { case value1: statement1; break; case value2: statement2; break; : : default: statement; }</pre>	Same	Same
for loop	<pre>for (initialization; test; update) body;</pre>	Same	Same
while loop	<pre>initialization; while (test_expression) { body; update; }</pre>	Same	Same
do – while loop	<pre>initialization; do { body; update; } while (test_expression);</pre>	Same	Same
Input statement	cin >> variable; (cin >> a;)	variable = document.Form_Name.Textbox_Name.Value;	variable = \$_POST['Control_Name']; variable = \$_GET['Control_Name'];
Output statement	cout << variable / expression / constant;	document.write(variable / constant / tag);	echo variable/constant/expression; print variable/constant/expression;
Function definition	<pre>data_type function_name(args) { statements; }</pre>	<pre>function function_name() { statements; }</pre>	<pre>function function_name() { statements; }</pre>

Programming Comparison

Problem	C++ Code	JavaScript Code	PHP Code
Sum of 2 numbers	<pre>#include<iostream> using namespace std; { int a,b,s; cin>>a>>b; s=a+b; cout<<s; }</pre>	<pre><SCRIPT Language="JavaScript"> a = Number(document.frm.tbx1.value); b = Number(document.frm.tbx2.value); s = a + b; document.write(s); </SCRIPT></pre>	<pre><?php \$a = \$_POST['tbx1']; \$b = \$_POST['tbx2']; \$s = \$a + \$b; echo \$s; ?></pre>
Largest of 3 numbers	<pre>#include<iostream> using namespace std; { int a,b,c,big; cin>>a>>b>>c; if (a>b) big = a; else big = b; if (c>big) big = c; cout<<big; }</pre>	<pre><SCRIPT Language="JavaScript"> a = Number(document.frm.tbx1.value); b = Number(document.frm.tbx2.value); c = Number(document.frm.tbx3.value); if (a>b) big = a; else big = b; if (c>big) big = c; document.write(big); </SCRIPT></pre>	<pre><?php \$a = \$_POST['tbx1']; \$b = \$_POST['tbx2']; \$c = \$_POST['tbx3']; if (\$a>\$b) \$big = \$a; else \$big = \$b; if (\$c>\$big) \$big = \$c; echo \$big; ?></pre>
First N natural numbers	<pre>#include<iostream> using namespace std; { int i,n; cin>>n; for (i=1; i<=n; i++) cout<<i<<'\\n'; }</pre>	<pre><SCRIPT Language="JavaScript"> n = Number(document.frm.tbx.value); for (i=1; i<=n; i++) document.write(i + "
"); </SCRIPT></pre>	<pre><?php \$n = \$_POST['tbx']; for (\$i=1; \$i<=\$n; \$i++) echo \$i."
"; ?></pre>