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1  <?php
2  /* PHP is a case-sensitive language. PHP code can be an external file with
3     a .php extension, or embedded inside a HTML file. PHP code must be inside
4     <?php ... ?> tag.
5     */
6     $someVariable = 0;
7
8     /* PHP is a dynamic type language(its data type is determined by the value being
9        assigned to it. If it has no value assigned to it then is considered undefined
10       and therefore should not be used in an expression, thus a variable has
11       to be initilized before used in an expression.)
12     */
13
14     # This is a single line comment
15     // This is a single line comment
16     /* This is a single/multiple lines
17        comment
18     */
19
20     /* Comparison operators */
21     if($A == $B) {...}
22     if($A != $B) {...}
23     if($A > $B) {...}
24     if($A < $B) {...}
25     if($A >= $B) {...}
26     if($A <= $B) {...}
27     if($A === $B) {...}
28
29     /* Logical Operators: */
30     if($A && $B) {...}
31     if($A || $B) {...}
32     if($A && $B) {...}
33
34     /* Assignment Operators: */
35     $C = $A + $B
36     $C += $A is equiv$alent to $C = $C + $A
37     $C -= $A is equiv$alent to $C = $C - $A
38     $C *= $A is equiv$alent to $C = $C * $A
39     $C /= $A is equiv$alent to $C = $C / $A
40     $C %= $A is equiv$alent to $C = $C % $A
41
42     /* Control Operators */
43     if(SomeBooleanExpression)
44     {
45         ...
46     }
47     else if(SomeBooleanExpression)
48     {
49         ...
50     }
51     else
52     {
53         ...
54     }
55
56     switch(SomeIntegralValue)
57     {
58         case SomeConstant:
59             ...
60             break;
61             .
62             .
63             .
64         default:
65             ...
66     }

```

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67
68 // Ternary Operator
69 $SomeVariable = (SomeBooleanExpression) ? IfTrueAssignThisValue :
ElseAssignThisValue;
70 Example:
71 $a = 10;
72 $result = ($a > 5)?"Good":"Bad"; // The value assigned to result is Good
73
74 // Loop Operation
75 for(SomeValue = Initialize; SomeBooleanExpression; Increment/decrement-SomeValue)
{...}
76 Example: for($i = 0; $i < 5; $i++) {...}
77
78 while(SomeBooleanExpression) {...}
79 Example:
80 $i = 0;
81 while($i < 5)
82 {
83     ...
84     $i++;
85 }
86
87 do {...} while(SomeBooleanExpression);
88 Example:
89 $i = 0;
90 do {
91     ...
92     $i++;
93 }while($i < 5);
94
95 /* Array, declared and initialized */
96 $cars = ["Toyota", "BMW", "Ford"];
97 $cars[1] = "Dodge"; // BMW is chaned to Dodge
98
99 /* Array, declared and then assigned values */
100 $cars = Array();
101 $cars[0] = "Ford";
102 $cars[1] = "Fiat";
103
104 /* Associative array, a key and value pair */
105 $person = [firstName=>"John", lastName=>"Doe", age=>46];
106 $person["firstName"] = "Tom"; // John is changed to Tom
107
108 $person = array(firstName=>"John", lastName=>"Doe", age=>46);
109
110 /* Functions */
111 function SomeFunction(param1, param2, ...) {...}
112 Example:
113 function add($num1, $num2)
114 {
115     return $num1 + $num2;
116 }
117
118 $result = add(3, 4);
119 ?>
120
121

```