

PHP, JavaScript, CSS, HTML, and Apache Web Server

PHP is a scripting language. A **scripting language** is different than an actual programming language.

Programming languages (such as Java) are written by the programmer in an English-like syntax. The program is not compiled, which means it's converted from the English syntax into machine code (0s and 1s). This code is then executed (run) within a compatible operating system and hardware. Scripting languages do not use a compiler. The first time the code is accessed it is interpreted line by line as the program is executed.

You may wonder if this causes the code to be slower than compiled code. The answer is no. Once the code has been executed once, the interpreted code stays in the memory of the computer, or server, for other executions. If the program changes this code, a new version will replace the previous version in memory.

JavaScript is also a scripting language. As you may be aware, JavaScript code can be seen within a **web browser** by viewing the source, as shown in Figure 1-9.

```

1 |<!DOCTYPE html> <html lang="en-US" class="dev-desktop uni-purple-border ua-ie ua-win ua-6.2 ua-ie10 bkt384 https mast-enabled uni-dark-purple sasb-trendingnow" style=""> <!-- m2 template --> <head>
2 | <meta http-equiv="Content-Type" content="text/html; charset=utf-8"> <meta http-equiv="x-dns-prefetch-control" content="on"> <link rel="dns-prefetch" href="//yimg.com"> <link rel="dns-prefetch"
3 | href="//y.analytics.yahoo.com"> <link rel="dns-prefetch" href="//geo.query.yahoo.com"> <link rel="dns-prefetch" href="//css.beap.bc.yahoo.com"> <title>Yahoo!</title> <meta http-equiv="X-UA-Compatible"
4 | content="chrome="> <meta name="description" content="A new welcome to Yahoo. The new Yahoo experience makes it easier to discover the news and information that you care about most. It's the web
5 | ordered for you."> <meta name="google-site-verification" content="euz2AL51312LrT4Q09rvtvJadq05STLUDM9Kok"> <meta property="og:title" content="Yahoo!"> <meta property="og:type"
6 | content="website"> <meta property="og:url" content="https://www.yahoo.com/"> <meta property="og:description" content="A new welcome to Yahoo. The new Yahoo experience makes it easier to discover
7 | the news and information that you care about most. It's the web ordered for you."> <meta property="og:image" content="https://yimg.com/dy/ap/default/130909/y_200_a.png"> <meta
8 | property="og:site_name" content="Yahoo!"> <meta property="fb:app_id" content="9037660494"> </link rel="canonical" href="https://www.yahoo.com/"> <link rel="shortcut icon"
9 | href="https://yimg.com/rz/favicon.ico"> <link rel="chrome-webstore-item" href="https://chrome.google.com/webstore/detail/acjpdajpofkffgggannlbbakfbbhlll"> <meta name="application-name"
10 | content="Yahoo!"> <meta name="application-starturl" content="/"> <meta name="application-task" content="Yahoo Mail;action-url=https://mail.yahoo.com;/icon-url=https://www.yahoo.com/favicon.ico">
11 | <meta name="application-task" content="Name=Yahoo Sports;action-url=https://sports.yahoo.com/icon?url=https://www.yahoo.com/favicon.ico"> <meta name="application-task" content="Name=Yahoo!
12 | Finance;action-url=https://finance.yahoo.com/icon?url=https://www.yahoo.com/favicon.ico"> <script type="text/javascript"> /*used for perf beacons in 3pas*/ <!-- Top = Number(new Date) -->
13 | document.documentElement.className += 'jenabled'; if (!('ontouchstart' in document.documentElement)) { document.documentElement.className += 'no-touch'; } (function() {var k=13,d=4,j=
14 | 0,a=document.documentElement,b=[a.className],f=navigator.plugins,g;if(c&&g.length){f[0]. Shockwave Flash};if(f&&f.description){j+=parseInt(f.description.match(/v(\\d+).\\s+\\b/)[1],10)};
15 | else{while(!g){g=new ActiveXObject("ShockwaveFlash.ShockwaveFlash...");j++;g.getVariable("ShockwaveFlash...").push("Flash...");while(j-->0){j.push("Flash...");j.className+="-j"+j}}}; (function() {var
16 | j=th.is.on(/ms/)load,bw=/on/i;addEventListeners("fa",attachEvent,"e",_oc,"onDetatchEvent");_oc["onDetatchEvent"]="removeEventListener";_l=[j],m=[j],p=[j],k=[j],d=[j];function c(r,s,a){if(!r){return};
17 | if(!n.test(r)){if(!s){j}}else{if(pk&&.test(r)){(p(r,s,a))};else{if(l){l(c,r,s,a)}}}}function e(r,s,a){if(!r){return};if(n.test(r)){var t=s[e];(delete k[t]);
18 | else{if(pk&&.test(r)){(r,s,a)};else{if(m){m(r,s,a)};}};onloadCache={enable:function(){if(!l){l=[c];[j];}};if(p){[f][p][c];[j];}};disable:function(){if(!l){l=[j];[j];}};if(p)
19 | {[[f][p][j];[j];}dispatch(function(){var r={type:'load'},q=f(q in k){if(k.hasOwnProperty(q)){k[q](r,s,a)};},reset:function(){k={};}});});
20 |
21 | OnloadCache.enable(); var set3Cookie = true;
22 |
23 | (function () {
24 |     var cookieName = "YB35C";
25 |     var cookieValue = "1415750870";
26 |     var cookieIndex = document.cookie.indexOf(cookieName);
27 |     if(cookieIndex == 0) {
28 |         var oldValue = document.cookie.substr(cookieIndex + cookieName.length, cookieValue.length);
29 |         if(cookieValue <= oldValue) {
30 |             set3Cookie = false;
31 |         }
32 |     }
33 |     if(set3Cookie) {
34 |         document.cookie = cookieName + cookieValue;
35 |     }
36 | })();
37 |
38 | </script> <style type="text/css"> </style> <style id="tmp-css"> </style> <style type="text/css"> .jenabled .lbg{background:none!important}</style> <!-- streaming unlocked --> <!-- MapleTop -->
39 | <link rel="stylesheet" type="text/css" href="https://yimg.com/zz/combomn/lib/metro/g/yui/widget-base-css_3_8_0.cssm/lib/metro/g/yui/widget-stack-css_3_8_0.cssm/lib/metro/g/yui/overlay-css_
40 | 3_8_0.cssm/lib/metro/g/yui/base_0_0_10.cssm/lib/metro/g/yui/parsers_0_0_3.cssm/lib/metro/g/yui/typography_0_0_3.cssm/lib/metro/g/theme/default/common...
41 | 0_0_39.cssm/lib/metro/g/theme/default/desktop_0_0_129.cssm/lib/metro/g/theme/hr_blue_0_0_16.cssm/lib/metro/g/ui/plugins/modal_service_0_0_3.cssm/lib/metro/g/ui/plugins/toolkit_service_
42 | 1_0_13.cssm/lib/metro/g/ui/plugins/iframeshim_service_0_0_12.cssm/lib/metro/g/ui/plugins/menu_service_0_1_13.cssm/lib/metro/g/ui/plugins/tablet_service_desktop_
43 | 0_0_17.cssm/lib/metro/g/ui/plugins/tablet_service_0_1_15.cssm/lib/metro/g/ui/plugins/tablet_default_0_1_17.cssm/lib/metro/g/ui/plugins/tablet_service_vertical_
44 | 0_0_2.cssm/lib/metro/g/ui/css/0_0_1.cssm/lib/metro/g/ui/plugins/carousel_service_0_1_20.css" />
45 |
46 | <link rel="stylesheet" type="text/css" href="https://yimg.com/zz/combomn/lib/metro/g/fp/fp_500_0_0_137.cssm/lib/metro/g/universalheader/universalheader_
47 | 0_0_40.cssm/lib/metro/g/intellicolor/full/intellicolor_full_0_0_23.cssm/lib/metro/g/tabs/tabs_0_0_154.cssm/lib/metro/g/legin/legin_0_0_74.cssm/lib/metro/g/nav/mail_
48 | 0_0_59.cssm/lib/metro/g/trendingnow/trendingnow_0_0_45.cssm/lib/metro/g/trendingnow/anim_0_0_9.cssm/lib/metro/g/sda/sda_0_1_64.cssm/lib/metro/g/nav/mail/navrail_
49 | 0_0_115.cssm/lib/metro/g/adsfallback/adsfallback_0_0_54.cssm/lib/metro/g/games/games_0_0_23.cssm/lib/metro/g/livenationprogm/livenationprogm...
50 | 0_0_15.cssm/lib/metro/g/appscontainer/appscontainer_desktop_0_0_57.cssm/lib/metro/g/topheadlines/topheadlines_0_0_19.cssm/lib/metro/g/fp/promote/aggromote...
51 | 0_0_21.cssm/lib/metro/g/weather/weather_0_1_57.cssm/lib/metro/g/location/location_0_0_23.cssm/lib/metro/g/finance/finance_base_0_0_9.cssm/lib/metro/g/finance/topvideos_
52 | 0_1_142.cssm/lib/metro/g/sportacular/sportacular_0_0_49.cssm/lib/metro/g/flickr/flickr_0_0_19.cssm/lib/metro/g/topvideos/topvideos_base_0_0_11.cssm/lib/metro/g/topvideos/topvideos_
53 | 0_0_26.cssm/lib/metro/g/birthday/birthday_0_0_25.cssm/lib/metro/g/horoscope/horoscope_base_0_0_6.cssm/lib/metro/g/horoscope/horoscope_0_1_91.cssm/lib/metro/g/comics/comics...
54 | 0_0_20.cssm/lib/metro/g/footer/footer_0_0_36.cssm/lib/metro/g/windowshade/windowshade_0_0_16.cssm/lib/metro/g/todaycontainer/todaycontainer_0_0_26.cssm/lib/metro/g/ftoday/ftoday_flex_
55 | 1_101.cssm/lib/metro/g/offlead/offlead_0_0_30.cssm/lib/metro/g/liveevent/liveevent_0_0_15.cssm/lib/metro/g/fstream/fstream_desktop_0_0_32.cssm/lib/metro/g/stream/stream...
56 | 0_0_309.cssm/lib/metro/g/stream/rmx_ads_0_0_15.cssm/lib/metro/g/stream/tweets_0_0_31.cssm/lib/metro/g/stream/stream_action_drawer_desktop...
57 | 0_0_25.cssm/lib/metro/g/masthead/masthead_homevnu_0_0_47.cssm/lib/metro/g/masthead/masthead_say_0_0_23.css" /> </head> <body class="yui-skin-sam ua-ie ua-win ua-6.2 ua-ie10 bkt384 https mast-
58 | enabled uni-dark-purple sasb-trendingnow ltr" dir="ltr" style=""> <div id="masthead" class="main-col billboard-layout cf"> <div id="default-p_30345688" class="mod view_default">
59 | <div id="default-p_30345688-b4" class="bd type_intellicolorfull type_intellicolorfull_default"> <div id="default-p_30345688-t1" class="mod view_default">
60 | <span class="drop-arrow drop-arrow-norm img-sprite"></span>
61 |  <button class="intl-selectorfull" aria-haspopup="true">
62 | <span class="drop-arrow drop-arrow-norm img-sprite"></span>
63 | <span class="tl_pos-a">Select Country Site</span>

```

Figure 1-9. JavaScript, HTML, and CSS code from yahoo.com (11/11/14)