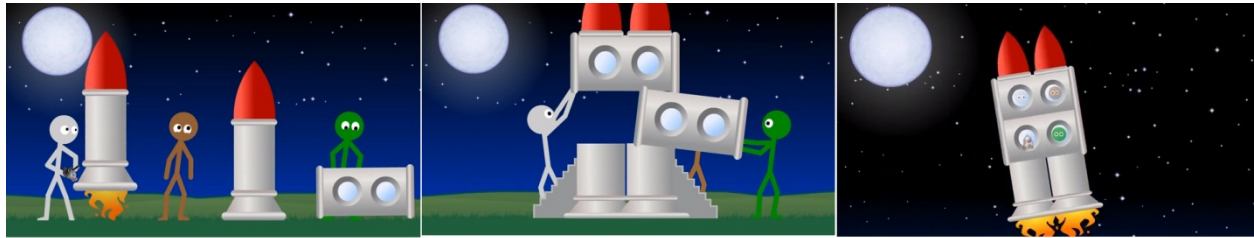
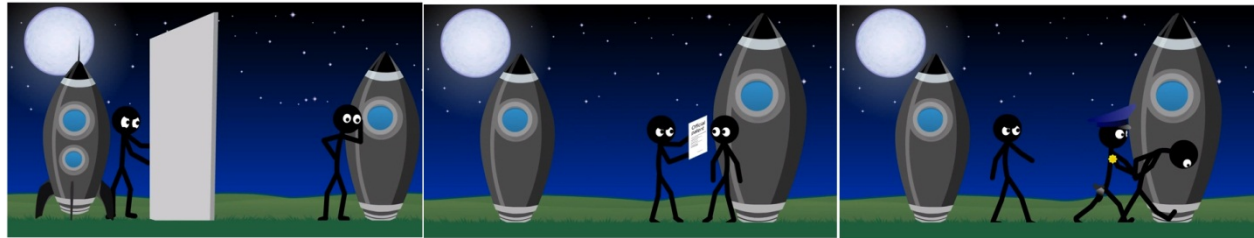


Read this first:

Client-side scripting language is generally used for static web application development and performs client-side validation. But now a days dynamic web application is demand for business development for big organization as well as small-medium business enterprise. For, SME it closed source technology required big budget which cannot afford by SME. Thus, open source technology is preminent option for web application development.



Open Source v/s Closed Source

**What is Open Source Technology?**

Open source software is software in which the source code used to create the program is freely available for the public to view, edit, and redistribute.

Differentiate Open Source v/s Closed Source

Open Source

Closed Source

Open Source Technologies



About PHP

PHP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general-purpose server side scripting language that is especially suited for web development and can be embedded into HTML.

PHP code is enclosed in special start and end processing instructions `<?php` and `?>` that allow you to jump into and out of "PHP mode."

Example

```
<!DOCTYPE HTML>
<html>
  <head>
    <title>Example</title>
  </head>
  <body>

    <?php
      echo "Hi, I'm a PHP script!";
    ?>

  </body>
</html>
```

Features of PHP

- **Cost**
- **Ease of Use**
- **HTML Embeddedness**
- **Portability**
- **Case Insensitive**
- **Many Extension**
- **Fast Feature Development**
- **Loosely Typed Language**
- **Fast**

Cost

PHP is open source server side scripting language that is freely available. Most of its frameworks are also available free to develop MVC application.

Ease of Use

It is very simple and easy to use, compare to other scripting language it is very simple and easy, this is widely used all over the world.

HTML Embeddedness

PHP code is easy embedded with HTML code. We can write php code with in TML code and vice a versa.

```
<input type="text" value="<?php if($g=='M') echo 'Male'; else echo 'Female';?>"/>
```

Portability

PHP is supported on multiple operating systems. It also provides Cross-platform Compatibility. It will be very easy to move an application written in PHP an original Windows server to a Linux server without having to modify (or very little).

Case Insensitive

PHP is case sensitive scripting language at time of variable declaration. In PHP, all keywords (e.g. if, else, while, echo, etc.), classes, functions, and user-defined functions are NOT case-sensitive.

Many Extensions

PHP supports large range of libraries which are already compiled and you can easily use it with your PHP code. For example to work with MySQL it has special function to deal with it. A PHP-GTK extension available to develop desktop application.

Fast Future Development

As PHP is open source technology very large number of user community is working on it. So, new development and research process is very fast.

Loosely Typed Language

PHP supports variable usage without declaring its data type. It will be taken at the time of the execution based on the type of data it has on its value.

Faster

It is faster than other scripting language e.g. asp and jsp.

Solve this:

1	Java Script	(a) For Desktop Application development
2	PHP	(b) Client side scripting language
3	PHP-GTK	(c) C, Java etc.
4	Case Sensitive	(d) Loosely Type Language
Ans: 1 - , 2 - , 3 - , 4 -		

Adding PHP to HTML

PHP tag starts with `<?php` and ends with `?>`.

We can simply write down PHP code anywhere in-between HTML tag or within HTML tag. Generally PHP code is written with HTML and file is saved with **.php** extension within the root directory of webserver. Refer below program to print "Hello World".

```
<html>
<body>

<h1>My first PHP page</h1>
```

```
<?php
echo "Hello World!";
?>

</body>
</html>
```

This file saved with .php extension.

Comments in PHP:

Single line comment starts with `//` or `#` in php.

Multiple line comments or block of comment starts with `/*` and ends with `*/` in php.

```
<html>
<body>

<h1>My first PHP page</h1>

// This is a single-line comment
# This is also a single-line comment

/*
This is a multiple-lines comment block
that spans over multiple
lines
*/

<?php
echo "Hello World!";
?>

</body>
</html>
```

Write a PHP script to your name and brief information in tabular format.