

Examples of Regular Expressions

Example 1

```
<?php
$str="abc aa aba ab AB ABB Ab aBabcabachjab";
$pattern="/ab/i";
$p1="/ABC/i";
$p2="/ABC/";
$x=preg_match($pattern, $str);
$y=preg_match($p1, $str);
$z=preg_match($p2, $str);
echo $x;
echo '<br>'.$y;

echo '<br>'.$z.'<br>';
preg_match_all($pattern, $str, $x);
preg_match_all($p1, $str, $y);
preg_match_all($p2, $str, $z);
foreach($x as $a)
    foreach($a as $p)
    {
        echo $p.' ';
    }
echo '<br>';
echo '<br>';
echo '<br>';
foreach($y as $a){
    foreach($a as $p)
        echo $p.' ';
}
echo '<br>';
echo '<br>';
foreach($z as $a){
    foreach($a as $p)
        echo $p.' ';
}
echo '<br>';

echo '<br>';
echo '<br>';
$rep1='/XY/';
$rep2='/XXX/';
print_r(preg_replace($pattern, $rep1, $str));
echo '<br>';
echo '<br>';
print_r(preg_replace($p1, $rep2, $str));

?>
```

Example 2

```
<?php
$p='/[0-9]+/';
$s='889966';
echo preg_match($p, $s), '<br>';
$s='abc';
echo preg_match($p, $s), '<br>';
$s='abc123';
echo preg_match($p, $s), '<br>';

$p='/[0-9]*/';
$s='abc';
echo preg_match($p, $s), '<br>';

$p='/^[0-9]+/';
$s='12abc';
echo preg_match($p, $s), '<br>';

$p='^\d{10}$/';
$s1='9988112277';
$s2='667';
echo preg_match($p, $s1), '<br>';
echo preg_match($p, $s2), '<br>';

$p='^\d{11}$/';
$s1='9988112277';
$s2='00913702020';
echo preg_match($p, $s1), '<br>';
echo preg_match($p, $s2), '<br>';
?>
```

Example 3

```
<?php
$p='/abc/';
$s1='abc';
$s2='ababc';
$s3='aaabc';
$s4='abcdef';
$s5='abcxy';
echo preg_match($p, $s1), '<br>';
echo preg_match($p, $s2), '<br>';
echo preg_match($p, $s3), '<br>';
echo preg_match($p, $s4), '<br>';
echo preg_match($p, $s5), '<br>';
echo '<br><br>';
```

```
$p='/a.*a/';
$s1='abc';
$s2='ababa';
$s3='aa';
$s4='abcdefa';
$s5='aba';
echo preg_match($p, $s1), '<br>';
echo preg_match($p, $s2), '<br>';
echo preg_match($p, $s3), '<br>';
echo preg_match($p, $s4), '<br>';
echo preg_match($p, $s5), '<br>';
echo '<br><br>';
```

```
$p='/a.+a/';
$s1='abc';
$s2='ababa';
$s3='aa';
$s4='abcdefa';
$s5='aba';
echo preg_match($p, $s1), '<br>';
echo preg_match($p, $s2), '<br>';
echo preg_match($p, $s3), '<br>';
echo preg_match($p, $s4), '<br>';
echo preg_match($p, $s5), '<br>';
echo '<br><br>';
?>
```

Example 4

```
<?php
$str=' (abc@test.com)  ';
$email=filter_var($str, FILTER_SANITIZE_EMAIL);
$email=filter_var($email, FILTER_SANITIZE_STRING);

if(filter_var($email, FILTER_VALIDATE_EMAIL))
    echo 'Valid Email';
else
    echo 'Invalid Email';
?>
<br>
<br>
<?php
$str=' (abc##test.com)  ';
echo '<br><br>';
$email=filter_var($str, FILTER_SANITIZE_EMAIL);
$email=filter_var($email, FILTER_SANITIZE_STRING);

if(filter_var($email, FILTER_VALIDATE_EMAIL))
    echo 'Valid Email';
else
    echo 'Invalid Email';
?>
<br>
<br>
```