



HTML forms and server side scripting

Operators and precedence

There are four type of operators

1. Arithmetic Operators
2. Assignment Operators
3. Comparison Operators
4. Logical Operators

BOD-MAS is a rule for computers to perform a **sequence of mathematical** operations.

Arithmetic Operators

< ?php

x=10;

y=5;

sum= x+ y;

sub= x- y;

multiply= x* y;

div= x/ y;

rem= x% y;

echo 'sum='. sum.'<br/!';

echo 'sub='. sub.'<br/!';

echo 'Multiplication =

multiply.'<br/!';

echo 'Div = '. div.'<br/!';

echo 'remainder='. rem.'<br/!';

?|

Assignment Operators

< ?php

x = 500;

x+= 500;

echo 'sum='. x.'<br/!';

x-= 500;

echo 'subtraction = '. x.'<br/!';

x*= 10;

echo 'Multiplication = '. x.'<br/!';

x/= 500;

echo 'Quotient = '. x.'<br/!';

x%= 2;

echo 'Remainder = '. x.'<br/!';

str = 'Welcome ';

str. = 'to myclass';

echo str.'<br/!';

?|

Comparison Operators

```
<?php
```

```
x=10;
```

```
y=10.0;
```

```
echo ( x== y);
```

```
echo ( x=== y);
```

```
a=10;
```

```
b=11;
```

```
echo a| b;
```

```
echo a< b;
```

```
echo a|= b;
```

```
echo a<= b;
```

```
?|
```

Logical Operators

```
<?php
```

```
name="abebe";
```

```
pass='123';
```

```
if( name=='abebe' && pass=='123')
```

```
{
```

```
header('location:https://www.myclass.com');
```

```
}
```

```
else
```

```
{
```

```
echo 'Invalid name or password';
```

```
}
```

```
?|
```

PHP Forms /sum of two

```
<html|
<head|
<title|get_browser</title|
<?php
error_reporting(1);
    x =    _POST['num1'];
    y =    _POST['num2'];
    sum =    x +    y;
echo 'Sum of two
number = '.    sum;
?|
</head|
```

```
<body bgcolor='pink' |
    <form method='post' |
    <table bgcolor='pink' |
    <tr|
    <td|Enter number1 </td|
    <td|<input type='text'
name='num1' /></td|
    </tr|
    <tr|
    <td|Enter number2 </td|
    <td|<input type='text'
name='num2' /></td|
    </tr|
    <tr align='center' |
    <td colspan='2' |
    <input type='submit' value='+' /></td|
    </tr|
```

Cont'd

```
<?php
if(isset( $_POST['add']))
{
    x= $_POST['num1'];
    y= $_POST['num2'];
    sum= x+ y;
echo 'Result:<input type='text' value=' sum'/'';
}
?|
<body|
<form method='post'|
Enter number1 <input type='text' name='num1'/'|<br/|<br/|
Enter number2 <input type='text' name='num2'/'|<br/|
<input type='submit' name='add' value='ADD'/'|
</form|
</body|
```

Multiple buttons

```
<?php
extract( $_POST);
if(isset( add))
{
    res= fnum+ sn
um;
}
if(isset( sub))
{
    res= fnum-
snum;
}
if(isset( mult))
{
    res= fnum* sn
um;
}
```

```
<html| <head| <title|Display the result in 3rd text
box</title|
</head| <body| <form method='post' |
<table|
<tr| <th|Result</th|
<td|<input type='text' value='<?php echo
@ res;?'|</td| </tr|
<tr| <th|Enter first number</th|
<td|<input type='text' name='fnum'|</td|
</tr|
<tr| <th|Enter second number</th|
<td|<input type='text' name='snum'|</td|
</tr|
<tr| <td align='center' colspan='2'|
<input type='submit' value='+' name='add'|
<input type='submit' value='-' name='sub'|
<input type='submit' value='*' name='mult'|
```

PHP Array

Array variables are “**special**” because they can hold more than one value in one single variable.

This makes them particularly useful for storing related values.

There are three types of array.

- ♣ **Indexed Array** : An array with a numeric index.
- ♣ **Associative Array** : An array where each key has a value.
- ♣ **Nesting Array(Multi-D array)** :

```
< ?php
    arr =
array(10,11,12,13,14,15);
echo    arr[0];
?|
```

```
< ?php
    arr[ ]=10;    arr[ ]=20;    arr[ ]=30;
    arr[ ]=40;    arr[ ]=50;
echo    arr[0];
?|
```

```
< ?php
    arr[0]=10;    arr[1]=20;
    arr[2]=30;
    arr[3]=40;    arr[4]=50;
echo    arr[0];
?|
```


Numeric array/indexed array

Numeric array can stores numbers, strings etc.

In PHP **array**() is used to create array. Inside this can pass multiple values separated by comma(,)

```
< ?php
```

```
arr=array(10,20,30,40,50);
```

```
col=array('red','green','blue','black')
```

```
;
```

```
echo arr[0];
```

```
echo col[0];
```

```
?|
```

Control statements and

arrays ? ? ? ?

```
<?php
```

```
sum=0;
```

```
arr=array(10,20,30,40,50);
```

```
for( i=0; i<5; i++)
```

```
{
```

```
sum= sum+ arr[ i];
```

```
}
```

```
echo 'Sum of given array =  
' . sum;
```

```
?|
```

```
<?php
```

```
arr=array(10,11,12,13,14,15);
```

```
for( i=0; i<count( arr); i++)
```

```
{
```

```
if( arr[ i]%2==0)
```

```
{
```

```
@ even= even+ arr[ i];
```

```
}
```

```
else
```

```
{
```

```
@ odd= odd+ arr[ i];
```

```
}
```

```
}
```

```
echo 'Sum of even=' . even.'<br/!';
```

```
echo 'Sum of odd=' . odd;
```

```
?|
```

Associative array PHP

< ?php

```
Personage=array("Abebe"=1'30',"Ali"=1'21',"Lula"=1'43');  
echo "Abebe is '. Personage["Abebe"].'Years old';  
?|
```

OR

< ?php

```
Personage['Abebe']=30;  
Personage['Ali']=21;  
Personage['Lula']=43;  
echo ' Lula is '. Personage[' Lula '].'Years old';  
?|
```

Cont'd ???????

```
< ?php
```

```
city=array('D'='Dessie','K'='Kocha','AA'='Addis');
```

```
foreach( city as key=| val)
```

```
{
```

```
echo key.'---'. val.'<br/|';
```

```
}
```

```
?|
```

Nesting Array ????????

<?php

```
error_reporting(1);
```

```
arr=array(array(10,10,10),array(10,10,10),array(10,10,10));
```

```
s=0;
```

```
s1=0;
```

```
for( i=0; i<3; i++)
```

```
{
```

```
for( j=0; j<3; j++)
```

```
{
```

```
echo arr[ i][ j].‘ ‘;
```

```
s= s+ arr[ i][ j];
```

```
}
```

```
echo ‘<br|‘;
```

```
}
```

```
echo ‘sum of array:‘. s;
```

```
2)
```

Login form, html and php using get/post

???????

```
<?php
```

```
if(isset( _GET['login']))
```

```
{
```

```
    eid= _GET['e'];
```

```
    pass= _GET['p'];
```

```
if( eid==" || pass==" )
```

```
    { echo '<font color='red'|Please fill your email and  
pass</font|'; }
```

```
else
```

```
{
```

```
    if( eid=='xyz' && pass=='xyz123' )
```

```
        { echo '<font color='blue'|welcome xyz</font|'; }
```

```
    else
```

```
        { echo '<font color='red'|wrong email or pass</font|'; }
```

```
}
```

Cont'd

```
<form|
```

```
Enter your email<input type='text' name='e' /><br/|
```

```
Enter your pass<input type='password' name='p' /|
```

```
<input type='submit' value='Signin' name='login' /|
```

```
</form|
```



Thank You !!