

PHP Datatypes

integer \$ 20 = 10; echo \$x;

Var_dump(\$x); -

Returns datatype & value of a variable

(int (10),

string

\$ 7c = "Hello world"

____ string (11) var-dump (\$x) -

datatype No. of character

float

\$x = 10.2; \tag{10.2}

var-dump(\$x);

boolean

boolean(true) \$x=true $\oint y = false$

NULL value \$x = NULL

```
Object
     Class Complex
                    $763
           private
            private $ y;
                            _construct()
           public function
                                           Constructor
                    $ this -> x = 10;
Complex
                    $ +his - y = 20;
            public function display ()
 display()
                  return $this -> 2. " + i ". $this -> y;
        $c = new Complex();
         echo $e -> display();
                               var-dump (8C)
                                        Information about the
                                         class
         $x = array (10,12,20,91,57,68);
                                echo $ x[0]; V
         print- ($x);
                                echo $x[1];
         var-dump ($70);
                                   using loop
         foreach ($x as $value)
                echo " $value";
```

PHP Strings

· case sensitive

$$$x = \frac{1}{2} \text{ str-replace ("World", "India", "Hello World")};}$$
 echo $$x$;$ $0/P \rightarrow \text{Hello India}$

```
Numbers
```

```
$ 20=90;
                                   int (90)
      var-dump($x);
                                            bool (true)
      var-dump (is-int ($x));
                                         is-int()
                                         is-float()
                                          is-long()
     PHP infinity
          largest-floating point number in PHP
          PHP- FLOAT- MAX
     If any number is larger than PHP-FLOAT-MAX
 then it is considered as infinity
                                              1.79e308
                                                 aeb = a \times 10^{b}
       $x=1.79 e 400;
        var-dump (is-finite ($x));
                                          bool (false)
                                           bool (true)
        $x = 1.79 \times 40

var-dump(is-finite($x));
                                           - boolessa (trne)
var-dump to (is-numeric ($x));
                                           - boolean (false)
   $x="Hello"
   var-dump (is-numeric (&x));
                               Float -> Integer.
 casting string to integer
     $x = 1231
                                  $x = 23.7;
                                  $y = (int) 23.7;
     $ y = (int) $x;
```

PHP Math

```
$x = vand();
                           rand();
echo $x;
                           rand (10, 100);
                           pi();
                           min (24, 26, 28, ---);
                           max (x1, x2, x3, - · );
                           abs();
                           sqrt();
                           round();
                            109(), log10();
   sin(), cos(), tan();
                            exp(x) \longrightarrow e^x
    pow();
    ceil(); floor();
    base_convert(); -> base_convert("E196", 16,8);
     deg2rad(); --- deg2rad("45");
```

RHP constants

define (constant name, value, case sensitivity);

define ("A", "Apple"; true);

echo. A;

echo. a;

define (constant name, value); define ("A", "Apple"); echo A; constant array define ("A", ["Apple", "Mango", "Banana"]); echo A[0]; echo A [I];

?? operator

echo A[2];

$$$x = $a??$b;$$
if $$a$ exists then $$x = $a$$
otherwise $$x = b

?: operator (Ternary)

 $\Rightarrow x = expression? $x = 4b;$

- · Comparison
- · Arthmetic
- . Logical
- · Assignment Preincrement Postincrement
- Array o string concatenation

```
Array operators
  $a = array(100, 200, 300);
  $ b = array (10,90);
                         + UNION
   $c = $a + $b
V print- ($c);
                              200 300
√ echo $C[0];
                          100
                              90
                          10
$ a = array (100,200,300);
                               200
                               300
                          100
$b = array (11, 17, 23, 99, 68,
  $c = $a + $b;
                     300
                200
                            99 68 70
                       23
                 17
           11
                            99 68 70
                      300
                 200
            100
       U:
 $ a = array (100,200);
  $b = array (0,10,11,17,23);
                              100 200
  $c = $a + $b;
                                   0 11 17 23
                           U: 100 200
                                        11
```

Identity = = =

$$$a = avvay(10, 20);$$

 $$b = avvay("10", "20");$
 $var_dump($a = = = $b);$

$$var_{-dump}($a = = = $b);$$

 $var_{-dump}($a = = $b);$

foreach works only on arrays

break, Cortinue

Body

File inclusion

include (" my Module: php"); f(10,20);

In my Module-php

(?
function f (\$a,\$b) 9 return \$a+\$b;

PHP Session

A group of interactions between dient and website

within a given time frame.

A series of requests comes from the same client during certain time period. Session IDs are randomly generated in PHP.

- Starting a new session. · Session-start();
- · session-destroy(); Destroying session data Destroying a complete session
- · Storing dada for the lifetime of a session using \$_SESSION[] superglobal array eg. \$_SESSION["Name"] = "Vijay"; \$ - SESSION [" ROII "] = 11;
 - Checking if "Name" Is set isset (\$-SESSON ["Name]);
 - Unset (\$_SESSON ["Name"]); destroying a session data

PHP Cookies

A small file sent by server to client browser Browser stores this information to client machine for future use.

When next stime the browser sends request to the server, the cookies information is also sent.

The server uses the information to identify user.

setcookie(); setcookie("name", "vijay", time(), "/", o);

echo \$-cookiE["name"];
isset (\$-cookiE["name"]);

Deleting cookie

set cookie ("name", ", time()-60, "/", "", 0);

delete with the date

already expired.