PHP Hypertext Preprocessor rook in capal server scripting language resembles Java server scripting to making dynamic & interactive up a worderly used, free and efficient alternative to Ap generate dynamic page content ereate, open, read, write, delete and close file on & collect footm data send and receive cookies add, delete, modify data in db used to control user-access can encrypt data XHTMC ean output HTML mages WXML PDL files ENVIO the snotter on sent Computible with almost all servers (Apache, 11s) supports wide range of db Simplicity easy to learn-Efficiency. from efficiently on the server side Security. hoody typely language flex willy Symbox < ?php
// php code goes here</pre> of the shade ends with ; teywords, classes, fun, vier-defined functions are

not case-sensitive:

wariable names are case sensitive

Comments // single-line single-line muttiple - line

Voriable

start with \$ no declowing state in ph Created when assigned & variable

A-2,0-9, -

```
variable scopes:
                                inride
                local
                  global: declared outside of accessed only from
                  static
data types
             string
                               von-dumpl (vonance)
             Integer
                                     returns datatype(val)
              Float
              Boolean
              Array
              Object
   27 php
 clay Can } ( Hughis James . " backs where
           public $color;
           public smodel;
           public . function _ construct ( + color, + smodel)
                $ this - color = $ color;
              mother + model = + model;
           public function message () ?
              echo "My car is" sthis - color
             returnsons by from the arico
                     while then I will
    ٩
  $ mycar = new Car( "A", "B");
         mycar → message();
   echo cbr
  Conditional statements if, if letter,
                                (16099000000
       if ... else if ... else , Switch
            while do while for foreach
                                Blackgon of di
           : can store multiple values in I single Variable
 Arrang
    access using indexing
                                 Indexed with nom inde
 arrays) key word 3 types Associative named
Multidemensional
                                       one or more keys
   countly - lingth
                              end()
                                      , reset()
                              prev()
    array-shift() - removes and returns first element
   MEXAY-SUM ()
                             array -uniquel)
    array - seanch()
                              array - unehift()
   array - reverse()
                               asort() argort()
```

```
PHP within HIML
      Arrays
              < ? php
               11 create indexed array
                         $ fruits = array("A", "B", "c");
                     Hindexing
                        echo " First ele Q: ". 4fruits[0]." In"
                      11 adding elements
                      "d" = [] Himit &
                       $ fruits [] = "E"
                      echo " Newly added: " . end ( $fruits) . " and " . prev ( & fruit)
                         Il associative array
     $ person = array( "f-name" = "tohn", "1-name" => "Doe")
                      " Multip array
                                                        المراجد المراجد والمعالم المراجد المرا
                                                   " ( labor - )= handen"
                                                wethout parameters
                                                 with parametrs
                                                     with default parameter
                                                     variable-length parameter
                                                      with return statatement
                                                       access global var
                                                        recursive fun
                                            strlen()
                                                                                                                 strainstote leavithings
                                            strtoupper()
                                                                                                        string interpolation
                                          strtolower() ascape chae
                                          substra
                                          stri-replace()
explode()) destines most not
                emplode()
                          mitaliana wint &
                   open and read document > readfile ("filerand
```

(1912/10)

topen() - open (create a file funte()

teof (filename)

fgets () (Intomore) Challenge - year D

```
I filepath = "excimple. Fxt"
   4 File = fopen ( & Rlepathi "w");
  Aurite ( $ file, "Hello, world!");
                       the whole so estimate
   felox (tile);
As: fopen ( Hlepath, "");
 while (! feof (#file)) {
                        Ad " shares do 1 1913
        echo fgets ($file);
  felose ( & file);
 Cookie - Asmall file that server embeds on vierts computer
   - often used to identify user
  - Each time same comp requests a page with a browser,
         It will send the cookie too.
 with PMP, you can create and retrieve cookie values
  create: setcookie ( name, value, expire, path, domain,
               secure, httponly);
   must appear befor hime and
                    Falsch Exert day zealonger NO
    texotie-name : "Use has great ways
     cookie-value "John Doe"; + (86400#3), "/");
     setwobiel to war to
                                    1.0400 - Without
                                         1 day
     2>
    KHM12 down or way
       cbody >
            if (!sset( $-cookie[ "cookie-name])) {
       en pup
                e cho
            else
                echo
                       value à (chatre)
                BEST HE THE PROPERTY OF THE SECOND
```

(wallest 1):

```
ux cetcookiel) again
             use set cookie() with date in part
   delete
             setcookfe("user", "", time()-3600);
   check if rookies are enabled
         first create a test cookie with set cookie()
  e? php
      setcookie ( "test_cookie", "test", +imil)+3600; 11).
   7>
   chtrul>
     <body>
      < ?php =
             if(count( 1 - cookie) > 0)
                 echo "cookies du enabled.";
                          see Applicate of prior wasted
comment on the else
                donabled
        2>
                       a word the cooker
 Seasion , when you work with an application, you
    open it, do some changes and then displays it.
- comp knows who you out to and what you do
                 web server doesn't
               because HTTP address doesn't maintain state.
- session variables store this enfo to be used across
   multiple pages ? "
         last until user closes the browser
  Start
                                 session variables are cet
    session start () secsion-destroy()
                                    with
                                           $_SESSION
             before him tags
     <?php
           session_start()
                                         101 3
    < htmls
       chodys
               1. session [ Havcolor ] = "green"
               t receion ("
                echo "sersion vaoriable set"
                (do11295- $) 1 - trive
     </bodys
```

about creating objects that confain data and functions. faster and easier to execute provides clean eleuthene for tragrams. class: femplate for objects class Fruit f object: Instance of a class vasiable - properties Acinchiens - methods keywoods e year class Foult III prof. refers to current obj public frame; only available inside methods public declars function set-name (\$ name) f instance of behir-name = Iname; checks if an obj belongs to specific class function get-name()? return \$this - name; access specifieus { privale _ Construct () - destruct() protected Contants -g const constant = "Bye" etho afconitoat; classname :: contant - Cour sensitive resolution o abstract cland Consensate & july 10 min - n I have the control of the second

Europe Committee

```
MysQL wing PHP
       # db connection and of"
  ada" >
    1 db config
    $ servername = "local hort
    4 usernanie = "trot"
     * persond = "root"
 ( Hereals a connection )
   from = New masqli (
On check connection
if (teons -> connect-enos) {
 diec " conn failed : ".
@ I create a new db
   I database 2 " Cx-db";
    Isquereatedb = "CREATE DB IF NOT GAISTS & database";
:f( $conn -> query( )== True){
         echo " created or en'uts!
       diel "DB com eno"
 1 lost 9p
 dbs = " & Bonn - query ( " SHOW DBI");
     $ (0 < 100 mun + 106) 17;
    echo "In DBs: In";
         while ( $100 = $ dbs -> fetch-assoc())
              echo drow["Db"]."In";
 THE WAS TENDED IN
     else
          echo "no do found "agricul
   6 11 select db
      $ conn - select - db ( $ databax)
   3 11 create a table
     $ 99ECT = "CREATE TABLE IF NOT EXISTS USENI (
           INT AUTO - INCREMENT PK,
            Osername VARCHARCED)";
```

```
if ( t conn + query ( $ sqlet) == True)
                                   made while the said
      echo "T created";
          die ( "Error C 7 : " . I conn + error);
     else
  1 11 Last tables
      $tables = $ conn -> query ( " SHOW TABLES");
      if (1 tables - nom-rows >0) &
            echo "In Tabla in Ed b : In"
             while ( 4 row = & tables - fetch-assoc()) {
                 echo frows " Tables_in-tdb"]." In";
             3
              echo " No tables";
       else {
  1 Insert data into table
$5917D " "INSERT INTO USETS (Username, email) VALUES
   if ( d conn - query ( & sq TID) === TRUE)
         malining inserted our of the said study
      else
                no istart, winder of I are and bout
  ( Il after table add new column,
      1 vas = "ALTER TABLE users ADD COLUMN age
       if ( conn -) query (1 var) == = true)
                 altered
                      (ONN -) CERPT)
       elu
              diel
      $591 SelectDate = "Select " FROM users");
  11 query
      fresult = $ conn = query ( )
                                      STREET, SOUTH TOWN
       He tresult -> num-rows >0) }
              echo "Users : ";
              while (from = fresult -> fetch_assoc(1) &
                 echo "ID: " . {row["id"] . ", Usemane: ".
```

- (1) // Delete data from table

 \$ sqlDD = "DELETE FROM Users WHERE username: john!

 if (\$ conn -> query(\$ sqlDD) === TRUE)

 echo "In Data Del succenfully

 else

 die
- # Delete table of DB

 traint = "Drop TABLE IF EXISTS users":

 H(tronn -) query(traint) === Touc) {

 del

 ele

 enor
- (B) 11 close connection \$ conn → close)

Phomyadmin popular web based dom tool for Mysal do provides uses friendly if for performing databases tasks like creating, modifying, querying databases on well as managing do every and privileges.

stood was some front in a

- used by der & db administrations

- Simplifies db m tanks through web brows

index

welcome to phpMyAdmin AT

Looper V

Dend .

next page enter cred of mysql nerver > los in

Marin with a number

L Takarb -

101 2 048 19

pata entry error

Data duplication

Data validation failures

Data Integrity violations - when is bew data are broken

causing inconsistencies and errors

causing inconsistencies and errors

causing inconsistencies and errors

data, resulting in permanent loss of info

data, resulting in permanent loss of info

Data security Breaches