

Ex. No. : **1**

## FIBONACCI SERIES

Date : 17-02-2021

### AIM

To create a PHP program to print Fibonacci series numbers less than 100.

### ALGORITHM

Step-1 : Open NetBeans  $\rightarrow$  New  $\rightarrow$  Project  $\rightarrow$  New PHP file.

Step-2 : Declare required variables and assign values for that variables like,  
 $\$num = 0 ; \$n_1 = 1 ; \$n_2 = 2$

Step-3 : Print first and second values (i.e) 0,1 using echo statement.

Step-4 : Print Fibonacci series numbers less than 100 using the following while loop statement.

while ( $\$num < 10$ )  
{

echo '<br>' ;

$\$n_3 = n_2 + n_1 ;$

echo  $\$n_3$  ;

$\$n_1 = \$n_2$

$\$n_2 = \$n_3$

$\$num + 1 ;$

Step - 5 : Run the program and display  
the output .

Step - 6 : End the process .

Ex. No. :

2.

## GLOBAL STATEMENT

Date : 22 - 02 2021

### AIM

To create a PHP program to remember the value of variable between function call using global statement.

### ALGORITHM

Step-1: Open Netbeans  $\rightarrow$  New project  $\rightarrow$  PHP file

Step-2: Declare required variable and assign a value for that variable like,  
`$num = 0.`

Step-3: Declare a function called "displ()" and display some statements to execute by getting arguments.

Step-4: Declare or define the global statement inside the function (i.e) `global $num;`

Step-5: Call the function by supplying argument for execution.

Step-6: Run the program and display the output

Step-7: End the process.

Ex. No. : 3

## ARRAY FUNCTION

Date : 24-02-2021

### AIM

To create a PHP program for creating an array and perform array function operations.

### ALGORITHM

Step-1 : Open NetBeans → New → Project → New PHP file

Step-2 : Declare two arrays variables and provide values like

```
$a1 = array(1,3,5);  
$a2 = array(2,4,6);
```

Step-3 : Display the total count of the value of an array using count() function.

Step-4 : Display the element inside the array using for each() statement (i.e)

```
for each ($a, $a + i)
```

```
print "<br><br>". $i;
```

3

Step-5 : Insert a value to the existing array using the following statement.

```
array-push($a1, 7);
```

Step-6 : Remove or delete an element from existing array using following statements.

`$del = array-pop($ar);`

Step-7 : Combine two array values using the following statement.

`$m = array-merge($ar1, $ar2);`

Step-8 : Display the array element after executing array-push(), array-pop(), array-merge() functions.

Step-9 : Run the program and display the output.

Step-10 : End the process.

**AIM**

To write a PHP program to create a birthday countdown from given input. The output message tells how many days, hours, minutes and seconds are there until the next birthday.

**ALGORITHM**

Step-1: Open NetBeans  $\rightarrow$  New  $\rightarrow$  Project  $\rightarrow$  New PHP file.

Step-2: Design a HTML page with text box and submit button for getting input from the user.

Step-3: Save the file and open New PHP file.

Step-4: Declare required variables for storing the values using "POST" method and calculation purpose.

Step-5: Calculate how many days, hours and minutes, seconds are left until the user's next birthday.

Step-6: Display the days, hours, minutes and seconds to the user using echo statement.

Step - 2 : Save the php file as ". PHP".

Step - 3 : Run the program and display the output.

Step - 4 : End the process.

**AIM**

To create a PHP program for number guessing using forms.

**ALGORITHM**

Step-1: Open NetBeans  $\rightarrow$  New  $\rightarrow$  Project  $\rightarrow$  New PHP file.

Step-2: Declare a HTML form for getting input from the user using text box and submit button.

Step-3: Declare required variables for string values from "POST" method and random number functions.  
(i.e) \$random number = mt\_rand(1,10);  
inside the PHP tag.

Step-4: Provide form action as given below.  
`<form action="#" method="POST">`

Step-5: Find the number which was randomly set and the given input from the user are same or not using nested if statement.

Step-6 : If it was same, display echo "Random number is the correct guess";

Step-7 : If it was not the same, display the following echo "Incorrect guess, Try again";

Step-8 : Run the program and display the output.

Step-9 : End the process.

Ex. No. : 6

## ARITHMETIC OPERATIONS

Date : 05-03-2021

### AIM

To create a program of PHP to create a calculator that enables the user to submit two numbers and perform arithmetic operations.

### ALGORITHM

Step - 1: Open NetBeans  $\rightarrow$  New Project  $\rightarrow$  New PHP file.

Step - 2: Design HTML form for getting input from the user using textbox, Radio button and submit button.

Step - 3: Provide form action as given below.  
`<form action=" " method="POST">`

Step - 4: Declare required variables inside the PHP tag.

Step - 5: Perform arithmetic operations based on the given input from the user using else if ladder statement.

Step - 6: Display the output to the user using echo statement.

Step 7: Run the program and display the

Step-8 : End the process.

## AIM

To create a PHP program using cookies.

## ALGORITHM

Step-1 : Open NetBeans → New → Project → New PHP file.

Step-2 : Declare required variables and values for that variables using the PHP tag.

Step-3 : Set the cookies using following function.

```
setcookie($cookie_name, $cookie_value,  
time + (3600), "/");
```

Step-4 : Open HTML tag and type the following.

```
if (isset ($cookie_name))
```

```
echo " cookie is not set!";
```

```
else
```

```
{
```

```
echo " cookie is set <br><br>";
```

```
echo " value is & cookie($cookie_name);
```

```
}
```

Step - 5 : Run the program and display the output

Step - 6 : End the process.

**AIM**

To create a PHP program to perform file operation.

**ALGORITHM**

Step-1 : Open NetBeans  $\rightarrow$  New Project  $\rightarrow$  New PHP file.

Step-2 : Create an empty file using "touch()" function.

(i.e) touch ("d:\file.txt");

Step-3 : Open that file using file pointer like,  
`$fp = fopen ('d:\file.txt', "W");`

Step-4 : Write statement and sentences into the file using "fwrite()" function.

Step-5 : Write statement and sentences into the file using "fwrite()" function.

Step-6 : Open the file in appending mode using the following:

`$fp = fopen ('d:\file.txt', "a");`

Step-7 : Insert the contents with existing

statements inside the same file -  
using "fputs()" function.

Step-7 : Read the contents using the following  
while() statements.

```
while (!feof ($fp))  
{
```

```
    $line = fread($fp, 1024);  
    echo "<br>";  
    echo "$line <br>";  
}
```

Step-8 : Close the file pointer using "fclose()"  
and set the program.

Step-9 : Run the program and display the output.

Step-10 : End the process.

**AIM**

To write a PHP program to create logo using image functions.

**ALGORITHM**

Step-1 : Open NetBeans  $\rightarrow$  New project  $\rightarrow$  New PHP file

Step-2 : Declare "Header function ()" using following header ("content-type:image/png");

Step 3 : Declare width and height of the logo image

Step-4 : Create draw space for the logo image with providing width and height.

Step-5 : Declare colours for the logo image using "image color allocate ()" function.

Step-6 : Draw the logo image using the following codes:

```
imagefile ($img, 0, 0, $black);  
imageellipse ($img, 100, 100, 100,  
$red);
```

```
imagestring ($img, 20, 75, 90, 'VLBJCAS', yellow);
```

`imagepng($img);`

Step - 7 : Run the program and display the output.

Step - 8 : End the process.

## AIM

To write a PHP program to create a student table MySQL and display the content of the table in the browser.

## ALGORITHM

Step - 1: Open WAMP server → PHP → My Admin → Database.

Step - 2: Create the database and student table using MySQL in WAMP server.

Step - 3: Insert required field and values into the student table.

Step - 4: Open NetBeans → New project → New PHP file.

Step - 5: Declare required variables and values for that variables.

Step - 6: Declare the connection string as follows  
\$con = new MySQLi(\$server\_name,  
\$username, \$password, \$dbname);

Step - 7: Declare SQL query as follows.  
\$SQL = "SELECT \* from BCA";

Step 8 : Establish a connection and display the content of the student table using the following codes.

```
if ($result->num_rows>0)
{
    while ($row->$result->fetch_assoc)
    {
        echo "<br>Roll no: " . $row["Roll no"];
        echo "<br>Name: " . $row["NAME"];
        echo "<br>Percentage: " . $row["PER"];
    }
}
else
{
    echo "0 Results";
}
```

Step - 9 : Run the program and display The Output.

Step - 10 : End the process.

Program 11: Display table content using stored procedure.

Aim: To write a PHP program to create Employee table in MySQL and display the table content using stored procedure.

Algorithm:

Step 1: Open WAMP server → PHP → MySQL database.

Step 2: Create database aaa and create Employee table using MySQL.

Step 3: Insert required field and values into the Employee table.

Step 4: Open notepad and create new PHP file.

Step 5: Declare necessary variable that invoke connection and initialize the connection string as follows.

```
con = new MySQLi ($servername, $username,  
$password, $database)
```

Step 6: Create stored procedure in MySQL query and declare in qry variable.

Step 7: call the store procedure to execute the query given inside stored procedure.

Step 8: fetch each row using MySQL\_fetch\_array function. and display the table using while loop function.

Step 9: Close the connection and execute the program.

Program 12: college admission form:

Aim: To create a PHP program to design college admission form to perform Insert, update, delete & Replace operation.

Algorithm:

Step 1: Open WAMP Server  $\rightarrow$  PHP  $\rightarrow$  MySQL database

Step 2: Create database staff and create a table college.

Step 3: Insert required fields like first-name, last-name, gender, address, email and insert values.

Step 4: Open notepad and create new PHP file named insert.php.

Step 5: Create necessary variable to invoke connection & assume the function inside a variable \$conn

Step 6: Get the input from the form which is created and saved as index.php using filterInput().

$\$first\_name = filterInput(INPUT\_POST, 'firstname');$

Step 7: Insert the field value fetch using filterInput to table created inside staff database.

Step 8: Print the statement using echo and close the connection

Step 9: ~~Stop the program~~ Execute the program using localhost sever.