1. PHP Programs to find sum and product of 2 numbers.

```php
<?php

$x = 5;

$y = 10;

$sum = $x + $y;

$product = $x * $y;


echo "Sum: " . $sum . "<br>";

echo "Product: " . $product;

?>
```

2) PHP Program to illustrate the usage of if else

```php
 <?php

$age = 18;


if ($age >= 18) {

    echo "You are eligible to vote!";

} else {

    echo "You are not eligible to vote.";

}

?>
```

3) PHP Program to illustrate the usage of for loop.

```php
<?php

for ($i = 1; $i <= 5; $i++) {

    echo "Number: $i<br>";

}
```

?>

4) PHP Program to illustrate the usage of arrays.

```php
 <?php
$fruits = array("Apple", "Banana", "Orange", "Mango");

echo "Fruits:<br>";
foreach ($fruits as $fruit) {
    echo $fruit . "<br>";
}
?>
```

5) PHP Program to illustrate the usage of function.

```php
<?php
function greet($name) {
    echo "Hello, $name!";
}

greet("Alice");
greet("Bob");
?>
```

6) PHP Program to illustrate form handling.

```html
<html>
<body>
<form method="get" action="process.php">
    Name: <input type="text" name="name">
```

```html
    <input type="submit" value="Submit">

</form>

</body>

</html>
```

Save this HTML form in a file named form.php, and create a PHP file named process.php to handle the form data. In process.php:

```php
<?php

$name = $_GET['name'];

echo "Hello, $name!";

?>
```

7) PHP Program to establish Database Connection (MySQLi):

You'll need to set up a MySQL database and configure the connection. Here's an example of how to connect and fetch data:

```php
<?php

$db = new mysqli("localhost", "username", "password", "database_name");

if ($db->connect_error) {

    die("Connection failed: " . $db->connect_error);

}

$result = $db->query("SELECT * FROM users");

while ($row = $result->fetch_assoc()) {

    echo "Name: " . $row['name'] . "<br>";

}

$db->close();

?>
```