<?php

//display  
echo "Hello world!";   
print "Hello world ";

//varibles  
$name = "Salma";  
$age = 21;  
$price = 99.99;  
$isStudent = true;   
  
  
// comments  
// This is a single-line comment  
# This is also a single-line comment  
/\* This is a   
 multi-line comment \*/  
  
  
// Conditional Statements

$grade = 70;

if ($grade >= 90) {

echo "Excellent";

} elseif ($grade >= 80) {

echo "Very Good";

} elseif ($grade >= 70) {

echo "Good";

} elseif ($grade >= 60) {

echo "Pass";

} else {

echo "Fail";

}  
  
  
// Loops 1.while loop:  
$i = 1;  
while ($i <= 5) {  
 echo "$i ";  
 $i++;  
}  
  
// 2.for loop  
for ($j = 1; $j <= 3; $j++) {  
 echo " $j ";  
}  
  
// 3.foreach loop (used with arrays):  
$colors = ["red", "green", "blue"];  
foreach ($colors as $color) {  
 echo "Color: $color ";  
}  
  
  
// functions  
function welcome($name) {

echo "Welcome, $name!";

}

welcome("Salma");  
  
  
// arrays  
  
// indexed array  
$animals = ["cat", "dog", "bird"];

echo $animals[0];  
  
// associative array  
$person = [  
 "name" => "Salma",  
 "age" => 21  
];  
echo $person["name"];