**1. Basic if Statement**

**Question:** Write a PHP script to check if a given number is positive, negative, or zero using an if statement.

**Answer:**

$number = 5;

if ($number > 0) {

echo "The number is positive.";

} elseif ($number < 0) {

echo "The number is negative.";

} else {

echo "The number is zero.";

}

**2. Nested if Statement**

**Question:** Write a PHP script to find the largest of three numbers using nested if statements.

**Answer:**

$a = 10;

$b = 20;

$c = 15;

if ($a >= $b) {

if ($a >= $c) {

echo "$a is the largest.";

} else {

echo "$c is the largest.";

}

} else {

if ($b >= $c) {

echo "$b is the largest.";

} else {

echo "$c is the largest.";

}

}

**3. switch Statement**

**Question:** Write a PHP script to print the name of the day based on the number (1-7) using a switch statement.

**Answer:**

$day = 3;

switch ($day) {

case 1:

echo "Sunday";

break;

case 2:

echo "Monday";

break;

case 3:

echo "Tuesday";

break;

case 4:

echo "Wednesday";

break;

case 5:

echo "Thursday";

break;

case 6:

echo "Friday";

break;

case 7:

echo "Saturday";

break;

default:

echo "Invalid day number.";

}

**4. for Loop**

**Question:** Write a PHP script to print the first 10 natural numbers using a for loop.

**Answer:**

for ($i = 1; $i <= 10; $i++) {

echo $i . " ";

}

**5. foreach Loop**

**Question:** Write a PHP script to iterate through an associative array and print the key-value pairs using a foreach loop.

**Answer:**

$person = ["name" => "John", "age" => 25, "city" => "New York"];

foreach ($person as $key => $value) {

echo "$key: $value\n";

}

**6. while Loop**

**Question:** Write a PHP script to print numbers from 1 to 5 using a while loop.

**Answer:**

$i = 1;

while ($i <= 5) {

echo $i . " ";

$i++;

}

**7. do-while Loop**

**Question:** Write a PHP script to print numbers from 1 to 5 using a do-while loop.

**Answer:**

$i = 1;

do {

echo $i . " ";

$i++;

} while ($i <= 5);

**8. Using break in a Loop**

**Question:** Write a PHP script to print numbers from 1 to 10, but break the loop when the number is 5.

**Answer:**

for ($i = 1; $i <= 10; $i++) {

if ($i == 5) {

break;

}

echo $i . " ";

}

**9. Using continue in a Loop**

**Question:** Write a PHP script to print numbers from 1 to 10, but skip the number 5.

**Answer:**

for ($i = 1; $i <= 10; $i++) {

if ($i == 5) {

continue;

}

echo $i . " ";

}

**10. if-else with Ternary Operator**

**Question:** Rewrite the following if-else statement using the ternary operator.

if ($age >= 18) {

$status = "adult";

} else {

$status = "minor";

}

**Answer:**

$age = 20;

$status = ($age >= 18) ? "adult" : "minor";

echo $status;