

15 選択した値で背景色を変える

header.php

```
<!DOCTYPE html>
<html lang="ja">
<head>
  <meta charset="utf-8">
  <title>PHP Practice</title>
</head>
<body style="background-color: <?= h($color); ?>;">
```

index.php

```
<?php
require(' functions.php ');

$color = ' transparent ';

include(' header.php ');

?>

<form action="result.php" method="get">
  <label><input type="radio" name="color" value="orange"> Orange</label>
  <label><input type="radio" name="color" value="pink"> Pink</label>
  <label><input type="radio" name="color" value="gold"> Gold</label>
  <button>Send</button>
</form>

<?php
include(' footer.php ');
```

result.php

```
<?php
require(' functions.php ');

$color = filter_input(INPUT_GET, 'color') ?? ' transparent ';

include(' header.php ');

?>

<p><?= h($color); ?></p>
<p><a href="index.php">Go back</a></p>

<?php
include(' footer.php ');
```

footer.php

```
</body>  
</html>
```

functions.php

```
<?php  
  
function h($str) {  
    return htmlspecialchars($str, ENT_QUOTES, 'UTF-8');  
}
```

16 Cookieの仕組みを理解する

header.php

```
<!DOCTYPE html>
<html lang="ja">
<head>
  <meta charset="utf-8">
  <title>PHP Practice</title>
</head>
<body style="background-color: <?= h($color); ?>;">
```

index.php

```
<?php

require('functions.php');

$color = 'transparent';

include('header.php');

?>

<form action="result.php" method="get">
  <label><input type="radio" name="color" value="orange"> Orange</label>
  <label><input type="radio" name="color" value="pink"> Pink</label>
  <label><input type="radio" name="color" value="gold"> Gold</label>
  <button>Send</button>
</form>

<?php

include('footer.php');
```

result.php

```
<?php

require('functions.php');

$color = filter_input(INPUT_GET, 'color') ?? 'transparent';

include('header.php');

?>

<p><?= h($color); ?></p>
<p><a href="index.php">Go back</a></p>

<?php

include('footer.php');
```

footer.php

```
</body>  
</html>
```

functions.php

```
<?php  
  
function h($str) {  
    return htmlspecialchars($str, ENT_QUOTES, 'UTF-8');  
}
```

17 Cookieを使ってみる

header.php

```
<?php

$color = $colorFromGet ?? filter_input(INPUT_COOKIE, 'color') ?? 'transparent';

?>
<!DOCTYPE html>
<html lang="ja">
<head>
  <meta charset="utf-8">
  <title>PHP Practice</title>
</head>
<body style="background-color: <?= h($color); ?>;">
```

index.php

```
<?php

require('functions.php');

// $color = filter_input(INPUT_COOKIE, 'color') ?? 'transparent';

include('header.php');

?>

<form action="result.php" method="get">
  <label><input type="radio" name="color" value="orange"> Orange</label>
  <label><input type="radio" name="color" value="pink"> Pink</label>
  <label><input type="radio" name="color" value="gold"> Gold</label>
  <button>Send</button>
</form>

<?php

include('footer.php');
```

result.php

```
<?php

require('functions.php');

$colorFromGet = filter_input(INPUT_GET, 'color') ?? 'transparent';
setcookie('color', $colorFromGet);

include('header.php');

?>

<p><?= h($colorFromGet); ?></p>
<p><a href="index.php">Go back</a></p>

<?php

include('footer.php');
```

footer.php

```
</body>
</html>
```

functions.php

```
<?php

function h($str)
{
    return htmlspecialchars($str, ENT_QUOTES, 'UTF-8');
}
```

18 Cookieの内容を確認する

header.php

```
<?php

$color = $colorFromGet ?? filter_input(INPUT_COOKIE, 'color') ?? 'transparent';

?>
<!DOCTYPE html>
<html lang="ja">
<head>
  <meta charset="utf-8">
  <title>PHP Practice</title>
</head>
<body style="background-color: <?= h($color); ?>;">
```

index.php

```
<?php

require('functions.php');

// $color = filter_input(INPUT_COOKIE, 'color') ?? 'transparent';

include('header.php');

?>

<form action="result.php" method="get">
  <label><input type="radio" name="color" value="orange"> Orange</label>
  <label><input type="radio" name="color" value="pink"> Pink</label>
  <label><input type="radio" name="color" value="gold"> Gold</label>
  <button>Send</button>
</form>

<?php

include('footer.php');
```

result.php

```
<?php

require('functions.php');

$colorFromGet = filter_input(INPUT_GET, 'color') ?? 'transparent';
setcookie('color', $colorFromGet);

include('header.php');

?>

<p><?= h($colorFromGet); ?></p>
<p><a href="index.php">Go back</a></p>

<?php

include('footer.php');
```

footer.php

```
</body>
</html>
```

functions.php

```
<?php

function h($str)
{
    return htmlspecialchars($str, ENT_QUOTES, 'UTF-8');
}
```


19 Cookieを削除する

header.php

```
<?php

$color = $colorFromGet ?? filter_input(INPUT_COOKIE, 'color') ?? 'transparent';

?>
<!DOCTYPE html>
<html lang="ja">
<head>
    <meta charset="utf-8">
    <title>PHP Practice</title>
</head>
<body style="background-color: <?= h($color); ?>;">
```

index.php

```
<?php

require('functions.php');

include('header.php');

?>

<form action="result.php" method="get">
    <label><input type="radio" name="color" value="orange"> Orange</label>
    <label><input type="radio" name="color" value="pink"> Pink</label>
    <label><input type="radio" name="color" value="gold"> Gold</label>
    <button>Send</button>
    <a href="reset.php">[reset]</a>
</form>

<?php

include('footer.php');
```

result.php

```
<?php

require('functions.php');

$colorFromGet = filter_input(INPUT_GET, 'color') ?? 'transparent';
setcookie('color', $colorFromGet);

include('header.php');

?>

<p><?= h($colorFromGet); ?></p>
<p><a href="index.php">Go back</a></p>

<?php

include('footer.php');
```

reset.php

```
<?php

setcookie('color', '');

header('Location: http://localhost:8080/index.php');
```

footer.php

```
</body>
</html>
```

functions.php

```
<?php

function h($str)
{
    return htmlspecialchars($str, ENT_QUOTES, 'UTF-8');
}
```

20 Sessionの仕組みを理解する

header.php

```
<?php

$color = $colorFromGet ?? filter_input(INPUT_COOKIE, 'color') ?? 'transparent';

?>
<!DOCTYPE html>
<html lang="ja">
<head>
  <meta charset="utf-8">
  <title>PHP Practice</title>
</head>
<body style="background-color: <?= h($color); ?>;">
```

index.php

```
<?php

require('functions.php');

include('header.php');

?>

<form action="result.php" method="get">
  <label><input type="radio" name="color" value="orange"> Orange</label>
  <label><input type="radio" name="color" value="pink"> Pink</label>
  <label><input type="radio" name="color" value="gold"> Gold</label>
  <button>Send</button>
  <a href="reset.php">[reset]</a>
</form>

<?php

include('footer.php');
```

result.php

```
<?php

require('functions.php');

$colorFromGet = filter_input(INPUT_GET, 'color') ?? 'transparent';
setcookie('color', $colorFromGet);

include('header.php');

?>

<p><?= h($colorFromGet); ?></p>
<p><a href="index.php">Go back</a></p>

<?php

include('footer.php');
```

reset.php

```
<?php

setcookie('color', '');

header('Location: http://localhost:8080/index.php');
```

footer.php

```
</body>
</html>
```

functions.php

```
<?php

function h($str)
{
    return htmlspecialchars($str, ENT_QUOTES, 'UTF-8');
}
```

21 Sessionで値を保持する

header.php

```
<?php

$color = $_SESSION['color'] ?? 'transparent';

?>
<!DOCTYPE html>
<html lang="ja">
<head>
  <meta charset="utf-8">
  <title>PHP Practice</title>
</head>
<body style="background-color: <?= h($color); ?>;">
```

index.php

```
<?php

require('functions.php');

include('header.php');

?>

<form action="result.php" method="get">
  <label><input type="radio" name="color" value="orange"> Orange</label>
  <label><input type="radio" name="color" value="pink"> Pink</label>
  <label><input type="radio" name="color" value="gold"> Gold</label>
  <button>Send</button>
  <a href="reset.php">[reset]</a>
</form>

<?php

include('footer.php');
```

result.php

```
<?php

require('functions.php');

$colorFromGet = filter_input(INPUT_GET, 'color') ?? 'transparent';
$_SESSION['color'] = $colorFromGet;

include('header.php');

?>

<p><?= h($colorFromGet); ?></p>
<p><a href="index.php">Go back</a></p>

<?php

include('footer.php');
```

reset.php

```
<?php

require('functions.php');

unset($_SESSION['color']);

header('Location: http://localhost:8080/index.php');
```

footer.php

```
</body>
</html>
```

functions.php

```
<?php

session_start();

function h($str)
{
    return htmlspecialchars($str, ENT_QUOTES, 'UTF-8');
}
```

22 Sessionを使ってみる

header.php

```
<?php

$color = $_SESSION['color'] ?? 'transparent';

?>
<!DOCTYPE html>
<html lang="ja">
<head>
  <meta charset="utf-8">
  <title>PHP Practice</title>
</head>
<body style="background-color: <?= h($color); ?>;">
```

index.php

```
<?php

require('functions.php');

include('header.php');

?>

<form action="result.php" method="get">
  <label><input type="radio" name="color" value="orange"> Orange</label>
  <label><input type="radio" name="color" value="pink"> Pink</label>
  <label><input type="radio" name="color" value="gold"> Gold</label>
  <button>Send</button>
  <a href="reset.php">[reset]</a>
</form>

<?php

include('footer.php');
```

result.php

```
<?php

require('functions.php');

$colorFromGet = filter_input(INPUT_GET, 'color') ?? 'transparent';
$_SESSION['color'] = $colorFromGet;

include('header.php');

?>

<p><?= h($colorFromGet); ?></p>
<p><a href="index.php">Go back</a></p>

<?php

include('footer.php');
```

reset.php

```
<?php

require('functions.php');

unset($_SESSION['color']);

header('Location: http://localhost:8080/index.php');
```

footer.php

```
</body>
</html>
```

functions.php

```
<?php

session_start();

function h($str)
{
    return htmlspecialchars($str, ENT_QUOTES, 'UTF-8');
}
```