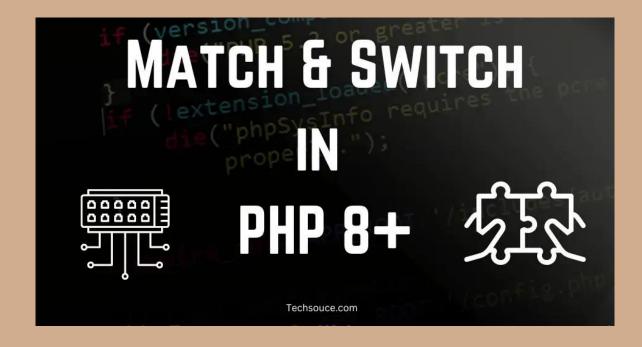
Switch VS Match



BY:

FATMA ELKASSABY

Syntactical Differences

```
switch (subject) {
  case expr:
    // execute block of statements
    break; // or continue or return
  default:
    // execute block of statements
    break; // or continue or return
}

$result = match (subject) {
  expr1, expr2 => value,
  default => value,
};
```

THE Other Differences

- 1. **match** is an expression, while **switch** is a statement
- 2. In a **switch** statement, comparisons are made based on loose/weak equality (==).

```
SWITCH ('FOO') {

CASE 0:

$RESULT = "OH NO!\N";

BREAK;

CASE 'FOO':

$RESULT = "THIS IS WHAT I EXPECTED\N";

BREAK;

BREAK;

}

ECHO $RESULT;

//> OH NO!
```

```
In a match expression, comparisons are made based on strict equality (===).
3-
                                           ECHO MATCH ('FOO') {
                                             0 => "OH NO!\N",
                                    'FOO' => "THIS IS WHAT I EXPECTED\N",
                                                   };
                                        //> THIS IS WHAT I EXPECTED
4- ال > switch → عنفضل تنفذ لحد متلاقى عبارة توقفها → break ,continue,....
                                            $SUBJECT = 'TWO';
                                           SWITCH ($SUBJECT) {
                                               CASE 'ONE':
                                                    ECHO 'ONE;';
                                               CASE 'TWO':
                                                    ECHO 'TWO;';
                                               CASE 'THREE':
                                                     ECHO 'THREE;';
                                                DEFAULT:
                                                     ECHO 'DEFAULT;';
                                     // OUTPUT: 'TWO; THREE; DEFAULT;'
بتنفذ الصح فقط من غير عبارات توقف ♦ لا ♦ match > ال -5
                                            $SUBJECT = 'TWO';
                                       $RESULT = MATCH ($SUBJECT) {
                                             'ONE' => 'ONE;',
```

```
'TWO' => 'TWO;',

'THREE' => 'THREE;',

DEFAULT => 'DEFAULT;',

};

ECHO $RESULT; // 'TWO;'
```

Switch

Pros:

It evaluates the expression once.

Makes the code more readable.

Cons:

It does the loose comparison, sometimes not what we want.

Match expression:

is recently added in php, is an expression and not a statement because it can be evaluated to a value that matches the condition, so it can be set to a variable or print ii directly as we did above

Pros:

It does the strict comparison, like we do manually with triple equal operator e.g. 10 === 10 true, 10 === '10' return false, strict comparison helps us to catch errors and bugs at an early stage.

Cons:

Not allowed to use multiline expressions so far like: