

# Conditional Statements (if, else, switch)

PHP web development 2019/2020

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# Logical operators &&





&&

## (Condition 1 ) && (Condition 2)

- true -
  - Condition 1 == true
  - Condition 2 == true
- false
  - Condition 1 == false
  - Condition 2 == false
- Condition 1 == true
- Condition 2 == false
- Condition 1 == false
- Condition 2 == true

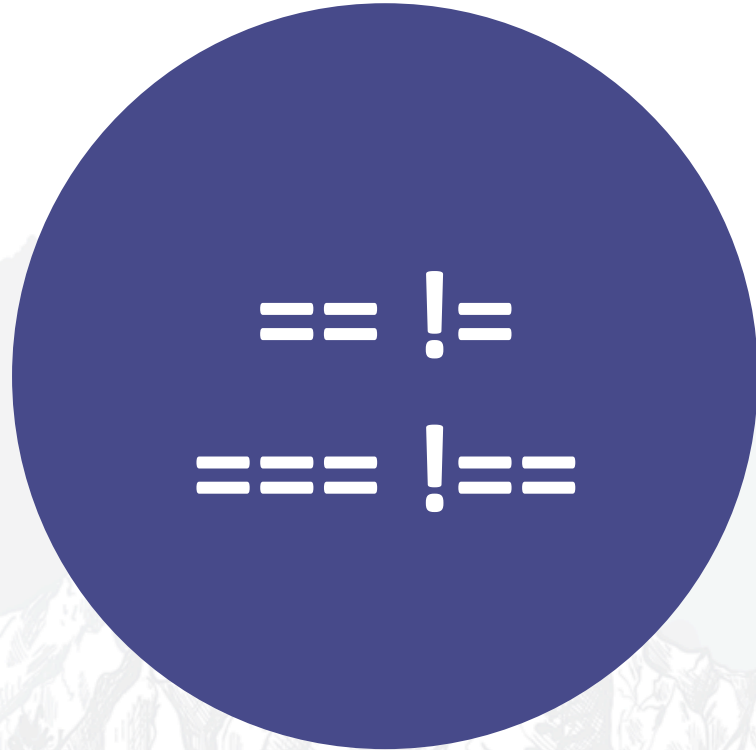
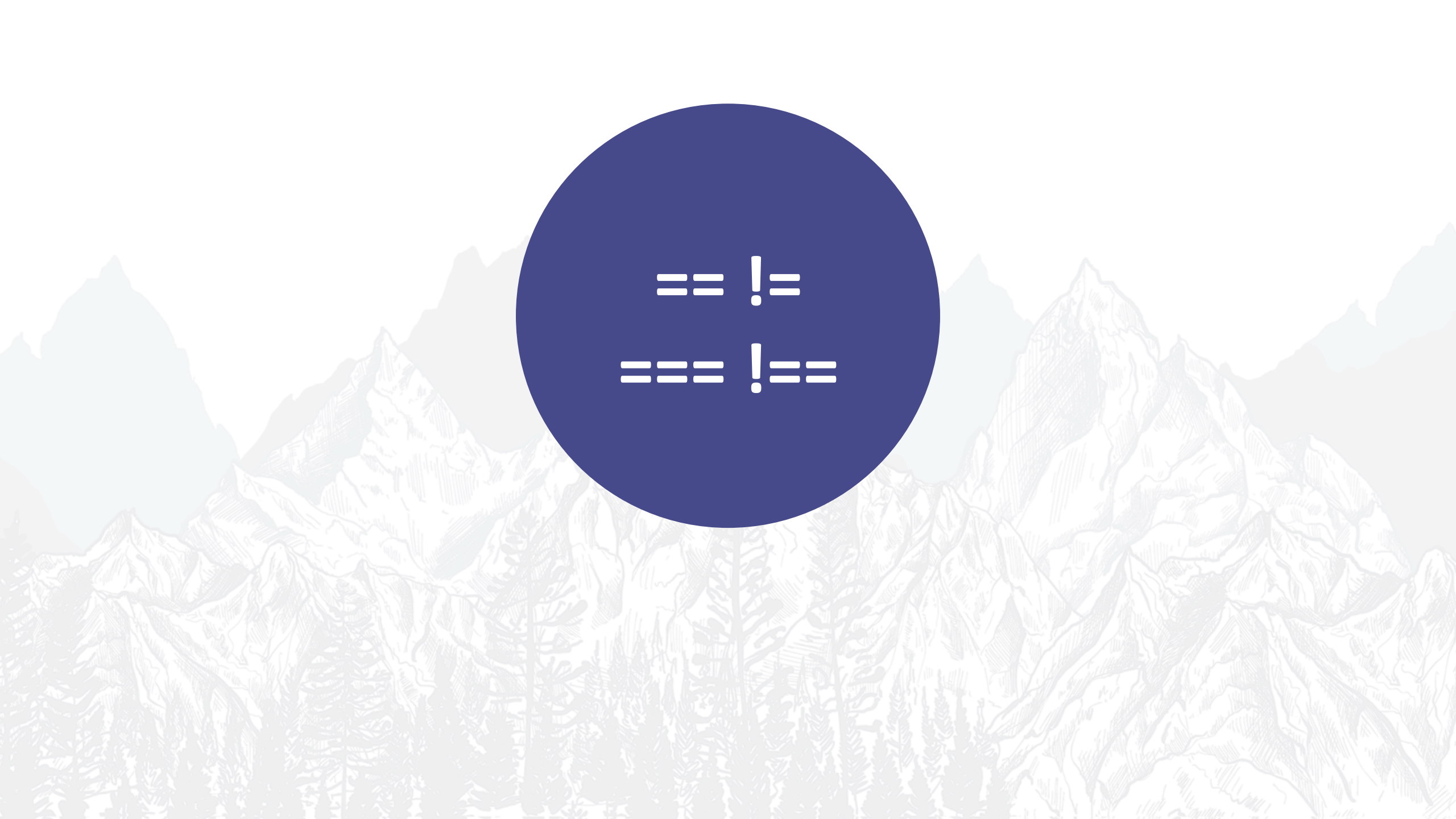


# Logical operators ||

## (Condition 1 ) && (Condition 2)

- true -
  - Condition 1 == true
  - Condition 2 == true
  - Condition 1 == true
  - Condition 2 == false
  - Condition 1 == false
  - Condition 2 == true
- false
  - Condition 1 == false
  - Condition 2 == false





# comparison

## by value /only/

1 == '1' //true

2 != '2' //false

## by value and type

1 === 1 //true

1 === '1' //false

2 !== 2 //false

2 !== '2' //true

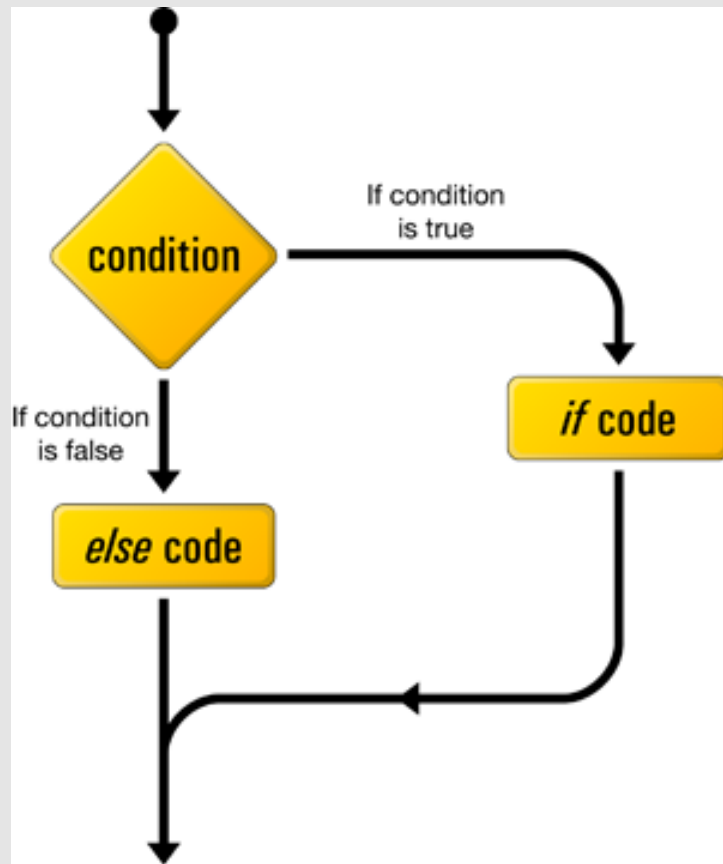






if/else

# if/else



```
if( condition ){
```

```
//do something
```

```
}else{
```

```
//do something else
```

```
}
```

# if/else

```
if( condition ){  
  
    //do something  
  
}else{  
  
    //do something else  
  
}
```

```
if( $var%2 == 0 ){  
  
    echo 'even';  
  
}else{  
  
    echo 'odd';  
  
}
```



# if/else

- no else block

```
if( condition ){ //do something }
```

```
if( $var%2 == 0 && $var%5 == 0 ){  
    echo 'The number is even and is divisible by 5';  
}
```

- nested if/else blocks

```
if( condition1 ){  
  
    if( condition2 ){  
        //do something else  
    }else{  
        //do something else  
    }//inner if end  
}else{  
    //do something else  
}//outer if end
```

```
if( $var%2 == 0 ){  
  
    if( $var%7==0 ){  
        echo $var . " is even and divisible by 7 ";  
    }else{  
        echo $var . " is even and not divisible by 7 ";  
    }//inner if end  
}else{  
    echo $var . " is ODD";  
}//outer if end
```



- multiple conditions - **elseif** blocks

```
if( condition1 ){  
    //do something  
}elseif( condition2 ){  
    //do something else  
}elseif( condition3 ){  
    //do something else  
}elseif...{  
    //do something else  
}else{  
    //do something else  
}
```

```
if( $var == 'blue'){  
    echo "blue";  
}elseif( $var == 'red'){  
    echo 'red';  
}elseif( $var == 'green' ){  
    echo 'green';  
}elseif...{  
    //do something else  
}else{  
    //do something else  
}
```





switch

# switch

Вместо **if/else** с множество **elseif** условия можем да използваме **switch**.

**break** – прекъсва изпълнението на кода.

```
switch (n) {  
    case label1:  
        code to be executed if n=label1;  
        break;  
    case label2:  
        code to be executed if n=label2;  
        break;  
    case label3:  
        code to be executed if n=label3;  
        break;  
    ...  
    default:  
        code to be executed if n is different from all labels;  
}
```

# switch

```
if ($i == 0) {  
    echo "i equals 0";  
} elseif ($i == 1) {  
    echo "i equals 1";  
} elseif ($i == 2) {  
    echo "i equals 2";  
}
```

```
switch ($i) {  
    case 0:  
        echo "i equals 0";  
        break;  
    case 1:  
        echo "i equals 1";  
        break;  
    case 2:  
        echo "i equals 2";  
        break;  
}
```



# switch

```
switch ($i) {  
    case "apple":  
        echo "i is apple";  
        break;  
    case "bar":  
        echo "i is bar";  
        break;  
    case "cake":  
        echo "i is cake";  
        break;  
}
```

```
$i = "apple";  
    //i is apple  
  
$i = "cake";  
    //i is cake
```

- break

```
switch ($i) {  
  case 0:  
  case 1:  
  case 2:  
    echo "i is less than 3  
but not negative";  
    break;  
  case 3:  
    echo "i is 3";  
}
```

**\$i = 1**

**\$i = 2**

**\$i = 0**

//i is less than 3 but not negative

**\$i = 3**

//i is 3

**\$i = 4**

//no result seen



## ■ break

```
switch ($i) {  
    case 0:  
    case 1:  
    case 2:  
        echo "i is less than 3 but not  
negative";  
        break;  
    case 3:  
        echo "i is 3";  
default:  
        echo "i is not equal to 0, 1, 2  
or 3";  
}
```

**\$i = 1**

**\$i = 2**

**\$i = 0**

//i is less than 3 but not negative

**\$i = 3**

//i is 3

**\$i = 4**

//i is not equal to 0, 1, 2 or 3



# Questions?



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