

Урок 3

Циклы и массивы.

Циклы

Циклы

Типы

- while
- do...while
- for
- foreach

Цикл while

```
while (условие)
{
    операторы
}
```

```
$i = 1;

while ($i <= 10)
{
    echo "$i<br/>" ;
    $i++;
}
```

Цикл do...while

```
do
{
    операторы
} while (условие)
```

```
$i = 1;

do
{
    echo "$i<br/>" ;
    $i++;
} while ($i <= 0)
```

Цикл for

```
for (выражение1; выражение2; выражение3)
{
    операторы
}
```

```
$n = 10;
```

```
for ($i = 1; $i <= $n; $i++)
{
    echo "$i<br/>";
}
```

Массивы

Массивы

```
$aLanguages[ ] = "Arabic";  
$aLanguages[ ] = "German";  
$aLanguages[ ] = "Korean";  
  
echo $aLanguages[2];
```


Массивы

Одномерный массив

```
$aLanguages[0] = "Arabic";
```

```
$aLanguages[1] = "German";
```

```
$aLanguages[2] = "Korean";
```

```
echo $aLanguages[2];
```

Массивы

Одномерный массив

```
$aLanguages[100] = "Arabic";  
$aLanguages[400] = "German";  
$aLanguages[300] = "Korean";  
$aLanguages[] = "Tagalog";
```

```
echo $aLanguages[300];  
echo $aLanguages[401];
```

Массивы

```
$aLanguages = array("Arabic", "German", "Korean");  
  
echo $aLanguages[2];
```

```
$aLanguages = array("Arabic", 3 => "German", "Korean");  
  
echo $aLanguages[4];
```

Массивы

Ассоциативный массив

```
$aLanguages = array(  
    "ar" => "Arabic",  
    "de" => "German",  
    "tl" => "Tagalog"  
);  
  
echo( $aLanguages[ "tl" ] );
```

Массивы

Многомерный массив

```
$aLanguages = array(  
    "Slavic" => array("Russian", "Polish", "Slovenian"),  
    "Germanic" => array("Swedish", "Dutch", "English"),  
    "Romance" => array("Italian", "Spanish", "Romanian")  
);
```

```
echo $aLanguages["Germanic"][2];
```

The end