

LOOPS

WHILE

Syntax

```
$a=1;
while ($a < 6)
{
    echo $a;
    $a++;
}
```

DO WHILE

Syntax

```
$a=1;
do
{
    echo $a;
    $a++;
}
while ($a < 6);
```

FOR

Syntax

```
for ($a=1; $a < 6; $a++)
{
    echo $a;
}
```

FOR (break and continue)

Syntax

```
for ($a=1; $a < 6; $a++)
{
    echo $a;
    if ($a > 3)
    {
        break;
    }
}
```

```
for ($a=1; $a < 6; $a++)
{
    if ($a == 3)
    {
        continue;
    }
    echo $a;
}
```

EXERCISE AND A CHALLENGE

Under the while header, use a while loop to output all the even numbers that are less than or equal to 100.

Under the for header, use a for loop to output all the odd numbers that are less than or equal to 100.

*Challenge

In both loops, skip all numbers that are divisible by 3. Be careful not to get caught in an infinite loop.

