

## Приклад №8

### Цикл While

```
example8.py > ...  
1  # Цикл while  
2  
3  i = 1  
4  while i < 20:  
5      i += 2  
6  print(i)
```

```
>>> 21
```

```
i = 0  
while i < len(arr):  
    print(arr[i], end=" ")  
    i += 1
```

```
>>> 2 4 6 8 10
```

### Цикл for

```
# Цикл for  
  
for i in arr:  
    print(i, end=" ")
```

```
>>> 2 4 6 8 10
```

```
for i in range(10):  
    print(i+1, end=" ")
```

```
>>> 1 2 3 4 5 6 7 8 9 10
```

### Break, continue

```
i = 1  
while(True):  
    if i > 10:  
        break  
    else:  
        i += 1  
print(i)
```

```
>>> 11
```

```
i = 1
arr = []
while i < 10:
    i += 1
    if i % 2 == 1:
        continue
    arr.append(i)
print(arr)
```

```
>>> [2, 4, 6, 8, 10]
```

```
arr = []
for i in range(100):
    if i % 2 != 0:
        continue
    elif i > 10:
        break
    arr.append(i)
print(arr)
```

```
>>> [0, 2, 4, 6, 8, 10]
```