



VILNIUSCODINGSCHOOL

JAVA 3

KALBĖSIME APIE

- Switch sakinyys
- Ciklai
- Masyvai

IF SAKINYS

```
if (sk == 1) {  
    System.out.println("Skaicius 1");  
} else if (sk == 2) {  
    System.out.println("Skaicius 2");  
} else if (sk == 3) {  
    System.out.println("Skaicius 3");  
} else {  
    System.out.println("Kitas skaicius");  
}
```

SWITCH SAKINYS

```
int sk = 3;

switch (sk) {
case 1:
    System.out.println("Skaicius 1");
    break;
case 2:
    System.out.println("Skaicius 2");
    break;
case 3:
    System.out.println("Skaicius 3");
    break;
default:
    System.out.println("Kitas skaicius");
}
```

DEMO/SWITCH UŽDUOTYS

FOR

```
for(int i = 0; i < 5; i++){  
    //DO CODE 5 TIMES  
    System.out.println(i); //INDEX i  
}
```

FOR EACH

```
int[] arr = new int[5];  
for(int item : arr){  
    //DO CODE 5 TIMES  
    //BECAUSE ARR LENGTH IS 5  
    System.out.println(item); //item  
}
```

WHILE

```
boolean isLate = true;  
while(isLate){  
    // repeat code while expression is true  
    // change is late in code  
}
```


WHILE DO

```
boolean isLate = false;  
do{  
    // repeat code while expression is true  
    // change is late in code  
} while (isLate);
```

Break

```
for (int i = 0; i < 3; i++) {  
    if (i == 2) {  
        //exits the loop when i is 2  
        break;  
    }  
    System.out.println(i);  
}
```

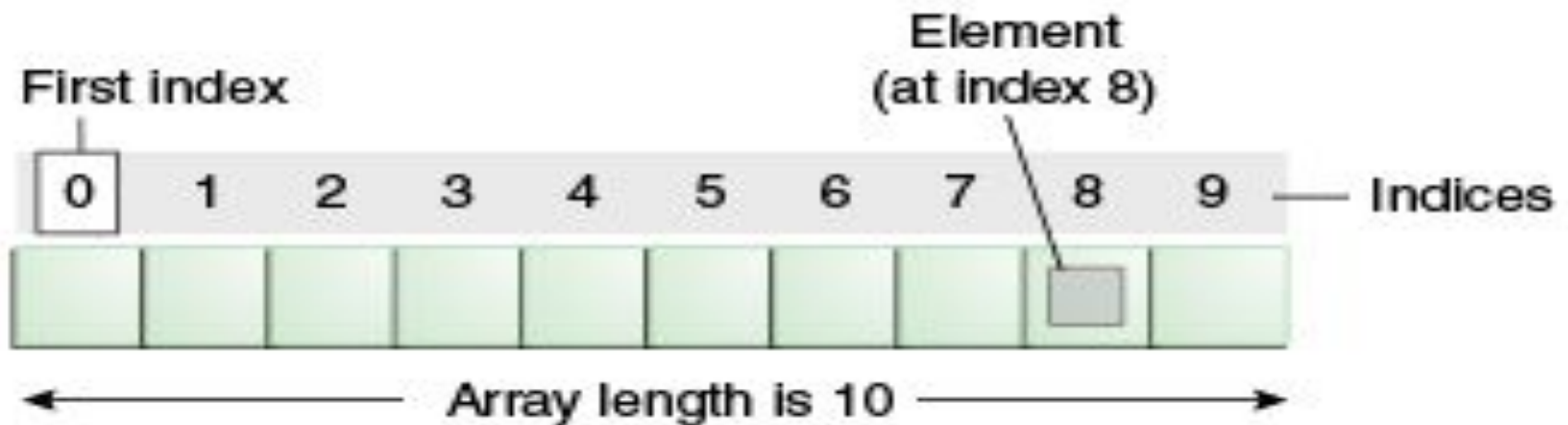
Continue

```
for (int i = 0; i < 3; i++) {  
    if (i == 2) {  
        //skips the iteration when i is 2  
        continue;  
    }  
    System.out.println(i);  
}
```

UŽDUOTYS – CIKLAI

MASYVAI

- Kolekcija/ dėžė
- Fiksuotas dydis
- Bet koks duomenų tipas
- Indeksuojami nuo 0
- Individuali reikšmė pasiekama per indeksą



MASYVAI

```
//default values  
int arr[] = new int[10];  
int[] arr2 = new int[5];  
//defined values  
int[] arr3 = {1,2};  
int arr4[] = new int[2];  
arr4[0] = 1;  
arr4[1] = 2;
```

CIKLAI IR MASYVAI

```
int[] arr = new int[3];  
for (int i = 0; i < arr.length; i++) {  
    arr[i] = i;  
}
```

UŽDUOTYS – MASYVAI/CIKLAI