



FOR-EACH LOOP

zyBook 6.10

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FOR-EACH LOOP (ENHANCED FOR LOOP)

- Simplifies certain array loops
- Provides ability to examine each element of array
- **Cannot be used to modify element**
- Syntax

```
for(<type> <name> : <array>) {  
    <statement>;  
    ...  
}
```

Example: Array of ints

```
public static void print(int[] list) {  
    for (int i = 0; i < list.length; i++) {  
        System.out.println(list[i]);  
    }  
}  
  
public static void print2(int[] list) {  
    for (int element : list) {  
        System.out.println(element);  
    }  
}
```

Example: Array of booleans

```
public static void print(boolean[] list) {  
    for (int i = 0; i < list.length; i++) {  
        System.out.println(list[i]);  
    }  
}  
  
public static void print2(boolean[] list) {  
    for (boolean element : list) {  
        System.out.println(element);  
    }  
}
```