Object-Oriented Programming (IT+BINF)
Lecture III

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Contents

Parameter Passing to Methods

- Parameters of primitive types are passed by value, i.e. value is copied to a particular variable of the method.
- When objects are passed the references to objects are copied to variables; as object variables store references to objects in the memory. Thus, it is possible to change the object using a reference.
- Actual parameters are used to invoke methods, while formal parameters are used within a method.

Value of the **actual** parameter is copied to the **formal** parameter.

```
1 class Sorting {
2   static void printValue(int value) {//formal parameter
3     System.out.println(value);
4   }
5   public static void main(String[] args) {
6     int[] arr = {1, 2, 3};
7     printValue(arr[0]); //actual parameter
8     int k = 15;
9     printValue(k); //actual parameter
10  }
11 }
```