

```

package arraylist;
public class Main {

    public static void main(String[] args) {
        MyArrayList mal = new MyArrayList();

        mal.addPrvek(3);
        mal.addPrvek(5);
        mal.addPrvek(4);

        int pocet = mal.size();
        System.out.println(pocet);

        String vypis = mal.toString();
        System.out.println(vypis);
    }
}

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package arraylist;

public class MyArrayList {
    int[] pole = new int[6];

    public int size() {
        int celkem = 0;

        for (int i = 0; pole[i] < Integer.MAX_VALUE; i++) {
            celkem = celkem + 1;
        } // for
        return celkem;
    } // size

    public MyArrayList() {
        for (int i = 0; i < pole.length; i++) {
            pole[i] = Integer.MAX_VALUE;
        } // for
    } // MyArrayList

    public void addPrvek(int x) {
        int indexPole = najdiIndex();
        pole[indexPole] = x;
    } // addPrvek

    private int najdiIndex() {
        int index = -1;
        for (int i = 0; i < pole.length; i++) {
            if (pole[i] == Integer.MAX_VALUE) {
                index = i;
                break;
            } // if
        } // for
        return index;
    } // index
}

```

```
@Override
public String toString() {
    String vypis = "";
    for (int i = 0; i < pole.length; i++) {
        if (pole[i] != Integer.MAX_VALUE) {
            vypis = vypis + pole[i] + ", ";
        }
    }
    return vypis;
}
}
```