

```
package Oppgave3;

import java.util.AbstractList;
import java.util.ArrayList;

public class StaticArrayList <T> extends AbstractList<T> {
    private Object[] data;
    private int count = 0;

    public StaticArrayList (int length){
        data = new Object[length];
    }

    @Override
    public boolean add(T element){
        if(count<data.length){
            data[count] = element;
            count++;
            return true;
        }
        return false;
    }

    @Override
    public T get(int indeks) throws IndexOutOfBoundsException {
        if (indeks < 0 || indeks > data.length){
            throw new IndexOutOfBoundsException("Error");
        }

        else{
            return (T) data[indeks];
        }
    }

    @Override
    public int size (){
        return count;
    }
}
```