Arrays

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KTH

HT23

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- Compund : arrays, tuples, records, objects, graphs, ... composed of other data stuctures

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- An abstract data structure is defined by the operations we can perform on the structure.
- The opertions should be well defined and also implemented giving a predictable requirement of space and time.
- Exactly how the structure is implemented is up to the provider and should not be assumed by the user.
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in Java

```
public void primes() {
 int [] p = new int [] {1,2,3,5,7,11,13,17,19,23};
for (int i = 0; i < 10; i++) {
    System.out.println(" prime: " + p[i]);
```

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- .. to search for an element in an array?
- .. to find common elements in two arrays?

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how hard can it be?