

<http://cs.gettysburg.edu/~cpresser/cs111/NameSearch.html>

## Integer Data.java

---

```
static String[] names = { "Bob", "Steve", ...  
static double[] salaries = { 25000, 53000.53, ...
```

if ( name . equals ( names [ i ] ) )  
          ↑  
          param.  
  ↑  
  name @ index  
  i

---

int index = findNameIndex(          )  
  name

```
public static int findNameIndex(String name){
    //go through all of the names
    for(int i = 0; i < names.length; i++){
        //is this one the same as name?
        if(name.equals(names[i]){
            //found it, return the index
            return i;
        }
    }
    //looked at them all, and didn't find it
    return -1;
}
```

//called with:

```
int result = findNameIndex(userName);
```

```
public static void printInfo(int index){  
    System.out.printf("%s: %.2f\n",  
        names[index],  
        salaries[index]);  
}
```