Java - Introduction to Programming

Arrays In Java

Arrays in Java are like a list of elements of the same type i.e. a list of integers, a list of booleans etc.

a. Creating an Array (method 1) - with new keyword

```
int[] marks = new int[3];
marks[0] = 97;
marks[1] = 98;
marks[2] = 95;
```

b. Creating an Array (method 2)

```
int[] marks = {98, 97, 95};
```

c. Taking an array as an input and printing its elements.

Homework Problems

1. Take an array of names as input from the user and print them on the

screen.

```
import java.util.*;
public class Arrays {
```

2. Find the maximum & minimum number in an array of integers.

[HINT : Read about Integer.MIN_VALUE & Integer.MAX_VALUE in Java]

```
import java.util.*;
public class Arrays {
```

```
public static void main(String args[]) {
```

- 3. Take an array of numbers as input and check if it is an array sorted in ascending order.
 - Eg: {1, 2, 4, 7} is sorted in ascending order.
 - {3, 4, 6, 2} is not sorted in ascending order.

```
import java.util.*;
public class Arrays {
  public static void main(String args[]) {
```

```
System.out.println("The array is sorted in ascending order");
} else {
    System.out.println("The array is not sorted in ascending order");
}
```