6 15 30 40 4 11 9

```
int n = scn.nextInt();
int[] arr = new int[n];
for(int i = 0; i < arr.length; i++){
    arr[i] = scn.nextInt();
}
int min = arr[0];
int max = arr[0];

for(int i = 1; i < arr.length; i++){
    if(arr[i] < min){
        min = arr[i];
    }

    if(arr[i] > max){
        max = arr[i];
    }
}

int span = max - min;
System.out.println(span);
```