

A program to calculate some powers of 2 (in Java)

```
class Powers {
    public static void main (String[] args) {
        int[] nums = {2,3,5,6,4,1};
        for (int i=0; i<nums.length; i++)
            System.out.println("" + (int)Math.pow(2,nums[i]));
    }
}
```

A program to calculate some powers of 2 (in Haskell)

```
map (2^) [2,3,5,6,4,1]
```

A program to test for palindromes (in Java)

```
class Palindrome {
    public static void main(String[] args) {
        StringBuffer input = new StringBuffer(args[0]);
        for(int i=0; i<input.length(); i++) {
            char c = input.charAt(i);
            if(Character.isLetter(c))
                input.setCharAt(i,Character.toLowerCase(c));
            else
                input.deleteCharAt(i);
        }
        System.out.println(input.equals(input.reverse()));
    }
}
```

A program to test for palindromes (in Haskell)

```
pal str = (new == reverse new)
          where new = map toLower (filter isAlpha str)
```