

Homework

Grade 11 Review 6 – File Output and Input

1. **StarTable.java:** Ask users for the dimension a table. Create a 2D array of characters with the specified dimensions, and initialize each element to be '*'. Then print out the content of the array as a table to the file "star.txt"
2. **TwoPowerTable.java:** Write a program that creates a text file that contains a power of two table in HTML format. The size (maximum power) of the table should be inputted by user. The file could be called "twoPowerTable.html". When it is viewed with a browser you will see something like:

Exponent	Power of 2
0	1
1	2
2	4
3	8
4	16
5	32
6	64
7	128
8	256
9	512
10	1024

The file should start with something like:

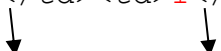
```
<html><head>
<title>Powers of Two</title>
</head>
<body>
<table border cellpadding=5>
<tr><th>Power of 2</th><th>Value</th></tr>
```

And end with:

```
</table>
</body></html>
```

Each line of the table looks like:

```
<tr><td>0</td><td>1</td></tr>
```



3. **AddNumbers.java:** Write a program that reads the number on each line in a file "numbers.txt", then outputs the sum to the standard output. Test your program by creating a text file "numbers.txt" that contains a list of numbers (any type) on separate lines.

4. **CountCases.java:** Write a program that reads in the file "passage.txt", then outputs the number of upper and lower case letters in the content. Any non-alphabet character should be ignored. Test your program by creating a text file "passage.txt" that contains any random text.