

# lab1 report

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## Part III

My procedure “flips” each word in the text. For exxample:

a abc abcd abcdefg

is to be transformed to

a cba dcba gfedcba

.

## How it's done

First I launch a kernel to calculate each character's new position after the flip (the `rpos[]`). i.e.

```
id: 0123456789AB
text: a abc abcdef
pos: 101230123456
rpos: 004320BA9876
```

Next I launch another kernel to swap each character to it's new position using the values in the array `rpos`.

In fact, the two kernels can be merge into one kernel. But I want to keep my code simple and easy to debug so I split the two steps into different kernels.