

1) we have used perforator tool to note performance counters of part of program.

For that we need to install perforator tool

Perforater installation:

```
curl https://zyedidia.github.io/eget.sh | sh ./eget zyedidia/perforator
```

2) command to get performance counters:

```
sudo ./perforator -e cpu-cycles,branch-misses,branch-instructions,cache-misses,dtlb-read-accesses,dtlb-read-accesses,dtlb-read-misses,dtlb-write-misses,l1d-read-accesses,l1d-read-misses,l1d-write-accesses,l1i-read-misses,ll-read-accesses,ll-read-misses,ll-write-accesses,ll-write-misses -r multiplication --csv ./performancefile > /{performancefile}.csv
```

Now performancefile contains the performance data as csv file.

Because we wanted to analyse only multiplication function we used -r multiplication as argument in linux command.