

# Template Week 4 – Software

## Bonus point assignment – week 4

Like the factorial example, you can also implement the calculation of a power of 2 in assembly. For example you want to calculate  $2^4 = 16$ . Use iteration to calculate the result. Store the result in r0.

Main:

```
mov r1, #2
```

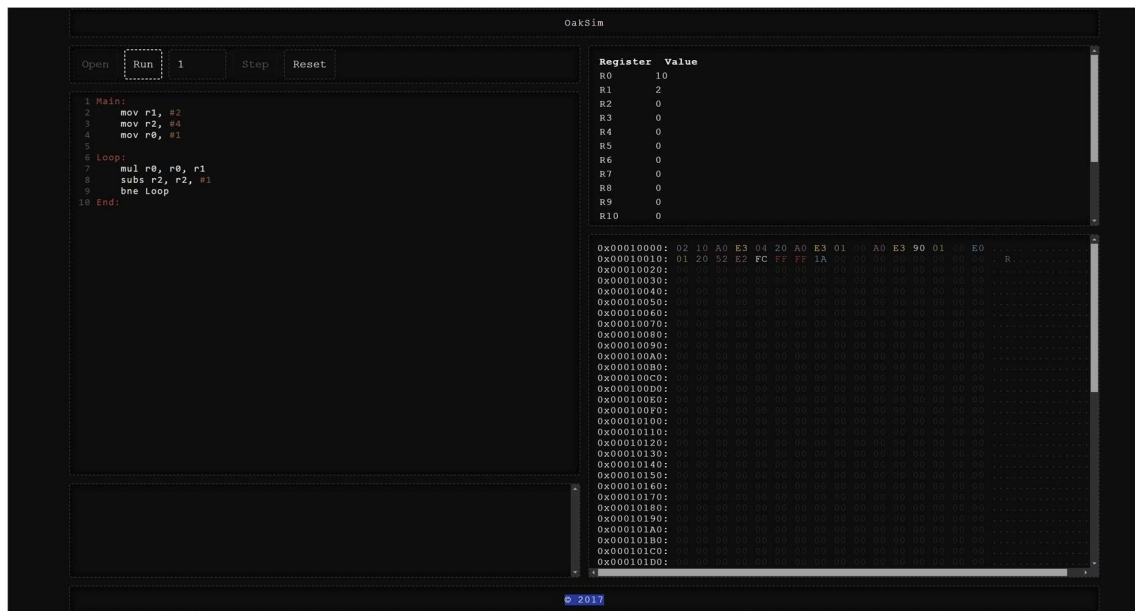
```
mov r2, #4
```

Loop:

End:

Complete the code. See the PowerPoint slides of week 4.

Screenshot of the completed code here.



Er staat nu in r0 de value 10, dit getal is in hexadecimal waardoor het in decimal 16 betekent dit klopt dus.

Ready? Save this file and export it as a pdf file with the name: [week4.pdf](#)