

CO224

Computer Architecture

2018

Exercises for Lab3

Using the skeleton files given, implement the following subroutines.

1. Ex1.s - Implement a subroutine *mypow* to calculate $(arg1 \wedge arg2)$
2. Ex2.s - Implement a subroutine *gcd* to find the gcd of *arg1* and *arg2* - Use loops
3. Ex3.s - Implement a subroutine *Fibonacci* to find the *n*th Fibonacci number ($n = arg1$).
Use recursion.
4. Ex4.s - Implement a subroutine *fact* to calculate the factorial of *arg1*. **Use recursion.**