**Lab 8 Assignment**

1. Develop an algorithm to print the daily salary of a worker who each day is paid twice the previous day’s salary (starting with one penny for the first day’s work) for a 30-day period. Name your program **8.1.rap**
2. Implement and understand the three sort algorithms: bubble sort, selection sort and quick sort, which are shown in Section 5.5 in our textbook. Randomly generate 50 integers, and then use the three algorithms to sort the generated integers and compare their performance. The names of these three program should be **8.2\_SelectionSort.rap, 8.2\_BubbleSort.rap.**

(**Hints**: when you run a program, the number of symbols the program executed can be used as a performance factor. The more symbols it executed, the more time it cost.)

**Assignment submission:**

You should submit all raptor files into the Directory Lab8 into your network drive. <http://192.168.0.248/inbox/>

**Submission Deadline**: before next lab