

York University
Lassonde School of Engineering
Dept. of Electrical Engineering and Computer Science
EECS 2032
Introduction to Embedded Systems
Fall 2020

EECS2032

Lab Test 1

Intro to Embedded Systems

Thursday Oct 8th 2020

2:30– 4:00pm

Question 1 (3 points)

Write a bash script that displays the number of regular (not a directory) files in the directory where it is executed. It displays the number followed by a new line.

Submit as 2032 LT1 q11.sh

Question 2 (4 points)

Write a bash script that reads four integers. (a, b, c, d).

Then it displays either YES or NO based on the 4 integers being a Fibonacci sequence or not.

A Fibonacci sequence is a sequence where every number is the sum of the previous two numbers.

For example 1 1 2 3 5 8 13 ... is a Fibonacci sequence since every number is the sum of the previous two numbers ($2=1+1$, $3=2+1$, $5=2+3$ and so on). Of course we don't check for the first two numbers.

Submit as 2032 LT1 q12.sh

Question 3 (4 points)

Consider the three files (all fields are separated by tabs)

A.txt

S_name S_ID S_address

Where S_name is the student name, format is lastname, firstname

S_ID is the student ID

S_address is the student address

The fields are separated by tabs

B.txt

C_Dept C_number C_name Description

C_Dept is course dept, for example EECS

C_number is course number forexample 2032

C_name is course name for example Introduction to embedded systems

C.txt

S_ID C_Dept C_number

Write a bash script that takes as an argument student name and displays all the courses

the students is registered in as Dept followed by C_numbe

For example the input is

Doe, John

The Output is

EECS2032

EECS2021

EECS2200

Submit 2032 LT1 q13.sh