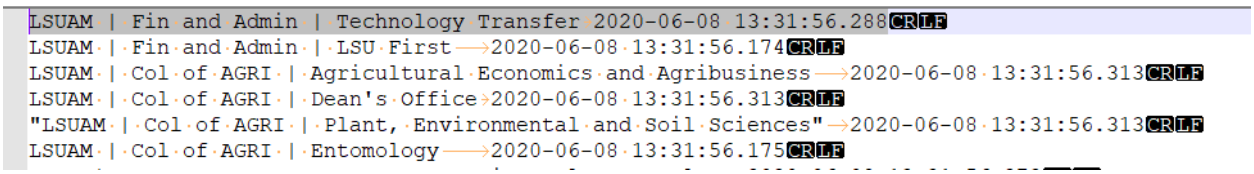
ISDS 3200 – LAB

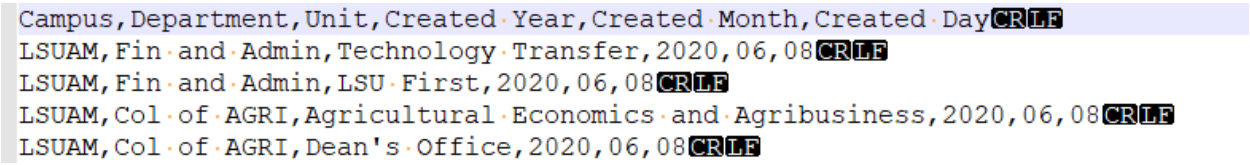
The purpose of this LAB is to create a program that parses data from a tab delimited file and creates a CSV file.

The input file contains records in this format:



The output file will need to contain these values:

- Campus: will need to be extracted from the value in column 1 of the input file and will be the value before the first pipe (|)
- Department: Will need to be extracted from the value in column 1 of the input file and will be the value between the first and second pipe (|)
- Unit: Will need to be extracted from the value in column 1 of the input file and will be the value after the last occurrence of the pipe character
- Created Year: Year portion of the data time value in column 2
- Created Month: Month portion of the data time value in column 2
- Created Day: Day portion of the data time value in column 2



1. To read in a file, you can use the “open” object in Python. The results for this will be a variable “content”. This variable will be an array that contains each line from the input file as an array element.

   ```
   with open('RawData_TabDelimitted.txt') as dataTabDelim:
       content = dataTabDelim.readlines()
   ```

2. To write to a file, you can use the “open” object in Python and pass the optional second parameter ‘w’ for write.

   ```
   with open('parsedData.csv','w') as outputFile:

           outputFile.write("Campus,Department,Unit,Created Year,Created Month,Created Day\n")
   ```