

CST 8279

Lab10

version 1.0

It is recommended that you read the entire lab before you start working.

What you will do:

1. Use Python to read and write the content of files
2. Practice the use of Python dictionaries

Task 1:

- Download File Package Week9Files
- The two text files 2000_BoysNames.txt and 2000_GirlsNames.txt list the popularity of boys names and girls names in 2000. The format of the file is simple, one line per entry with the name followed by a space followed by the number of children carrying that name. You must write a python program that reads each text file then converts it into a csv format: "name",count then saves the entry in a csv file. The output csv file must include the following header as its first line: "First Name","Count"

Task 2:

- Write a python program that prompts the user for the name of .csv file then reads and displays each line of the file as a Python list. Test your program on the 2 csv files that you generated in Task 1.

Task 3:

- Write a function generateDictionary that reads the file font3.txt and generate a dictionary where the key is the character and the value is the 8*8 bit list representation of the character.
- Write a program that reads a character from the user and displays the associate character on the gfxHat at the coordinates of your choice. Characters not present in the dictionary are ignored and a message is displayed on the computer screen.