## Assignment 1

**COMP 3411** 

Ryan Woodward - T00671761

```
#include <stdio.h>
#define MAX 40
                        // maximum name length
//function prototype
void display (char n[], int times);
//main function (does not need prototype)
int main (void)
        char name[MAX];
int loop = 0:
                                //user's name
        int loop = 0;
                                //number of loops
        printf ("What is your name? ");
        gets(name);
                                //get user's name
        printf ("How many times shall I print it? ");
        scanf ("%d", &loop); //read no. of times
        display (name, loop);
        return (0);
//end of main()
//function display (n)ame so many (t)imes
void display (char n[], int t)
        int i = 0;
        for (i = 0; i < t; i++)
                printf ("%s ", n);
                printf ("\n");
//end of display()
(END)
```

Figure 1: Screenshot of smallprogram.c

```
import java.*;
import java.io.*;
public class smallprogram
       public static void main (String[] args)
                String opinion = " likes Linux! ";
                char first = ' ', last = ' '; //user's initials
                int loop = 20;
                                                //number of times to repeat
                try
                        System.out.println("Your first initial? ");
                        first = (char)System.in.read();
                        System.in.read();
                        System.out.println("Your last initial? ");
                        last = (char)System.in.read();
                        System.in.read();
                catch (IOException e)
                System.out.println("Repeating " +loop+" times.");
                for (int i = 0; i < loop; i++)
                        System.out.print(first+"."+last+"."+opinion);
                System.out.println();
        //end of main()
//end of smallprogram
smallprogram.java (END)
```

Figure 2: Screenshot of smallprogram.java

```
Script started on Thu 30 Apr 2020 04:05:13 PM PDT

ESG]0; comp341120@cs2:-*GESG[?1034h[comp341120@cs2 ~]$ ./smallprogram.out
What is your name? Ryan
How many times shall I print it? 5
Ryan
Ryan
Ryan
Ryan
Ryan
Ryan
Ryan
BSG]0; comp341120@cs2:-*G[comp341120@cs2 ~]$ java smallprogram

Four first initial?
R
Your last initial?
W
Repeating 20 times.
R.W. likes Linux! R.W. lik
```

Figure 3: Screenshot of a1capture.txt