COMP 3411

Assignment 1

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C Program

```
[dkcomp341126@cs2 ~]$ vi smallprogram.c
#include <stdio.h>
#define MAX 40 // maximum name length

// display function
void display (char n[], int t)
{
int i = 0;
for (i = 0; i < t; i++)
        printf("%s\n",n);
}

// main function
void main()
{
char name[MAX]; // user's name
int loop = 0; // number of loops

printf("What is your name? ");
fgets(name, MAX, stdin); // read name from terminal
printf("How many times shall I print it? ");
scanf("%d", &loop); // read no. of times
display(name, loop);
} // end of main()
```

```
[dkcomp341126@cs2 ~]$ ./smallprogram.out
What is your name? Martin
How many times shall I print it? 3
Martin

Martin

Martin

[dkcomp341126@cs2 ~]$
```

Java Program

```
[dkcomp341126@cs2 ~]$ vi smallprogram.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.print("Your first initial? ");
                        first = (char) System.in.read();
                        System.in.read();
                        System.out.print("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
```

```
[dkcomp341126@cs2 ~]$ java smallprogram
Your first initial? M
Your last initial? A
Repeating 20 times.
M.A. likes Linux! M.A. likes Linux! M.A. likes Linux! M.A. likes Linux! M.A. likes Linux! M.A. likes Lin
ux! M.A. likes Linux! M.A. likes Linux! M.A. likes Linux! M.A. likes Linux! M.A. likes Linux! M.A. likes
 Linux! M.A. likes Linux! M.A. likes Linux! M.A. likes Linux! M.A. likes Linux! M.A. likes Linux! M.A. l
ikes Linux! M.A. likes Linux! M.A. likes Linux!
[dkcomp341126@cs2 ~]$
```