

Assignment 1

COMP 3411

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```

#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];      //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

