Assignment - Langton's Ant

Systems Programming

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Hand-out: October 25, 2021

This coursework is to be completed via github classroom. Accept the assignment via: `https://classroom.github.com/a/0J-7k95Z` and follow the instructions in the README.

Submission details:

- Hand in date: 7th Feb 2022
- Submission mode: Github classroom/LearnUltra

Important submission requirements:

On LearnUltra submit a single text file containing only:

- The commit hash of your final submission
- The name of your github account

Feedback sheet

Criterion	**Marks**	**Comment**
Basic functionality of the program	30	This means that the basic two-color variant should run successfully and the ant should behave as expected.
Dynamically-linked library	10	This refers to successfully creating a dynamically-linked library, called libant.so which implements Langton's Ant. The program "ant" should call this library for its key functionalities.
Makefile	10	The Makefile should automate finding and linking files.
Code and documentation	20	Clear, readable, well-documented (with sufficient comments) and well-presented program source code.
Arbitrary colours	30	This more advanced portion of the assignment will have the program receive a string of Rs and Ls as the input (e.g. LRRRRRLLR) and your program should be able to generalise to any multi-colour variant of Langton's Ant described by this string.
Total marks	100	