

Homework 264 C

November 3, 2020

1 Introduction

For this homework assignment you will converting a number from decimal to binary, octal, and hex. The input will be given from the command-line and will be in a string format.

2 Steps

- Parse a char [] input given from the command-line into a decimal integer.
- Translate the integer into a hex number, octal number, and binary number.
- Print each representation to the terminal

3 Example

Below is an example of how we will build and run the code. Let us allow for the executable to be called *a.out*. Let, *a.out* require a single integer argument.

```
Terminal:  
$ a.out 45  
Binary: 101101  
Octal: 55  
Decimal: 45  
Hexadecimal: 0x2D
```

4 Grading

- **If your code does not compile you will get a 0**
- If there is no make file you will get a 0
- Can only use %s for printf (no printf("%x", num)) you will lose 20 points

Partial credit will be given to existing code that does compile.