Literals/Variables
Types of Literals

- Integers = no decimal part - int
- Real numbers = decimal part - double
- Characters = single character - char
- Strings = string of characters - char *
- Booleans
printf function needs a string

```
printf("%d\n", 3);
printf("%f\n", 5.0);
printf("%.2f\n", -4.9);
printf("%c\n", 'h');
printf("%s\n", "hello");
```

Truncate to 2 decimal places
Escape Characters

• ‘\n’
• ‘\t’
• ‘\’
literals.c
\[ f(x) = mx + b \]
int m = 3;
Variable Declaration

```c
int x;

x = 4;
```
Variable Access

printf("%s", name);
int a = 1;
int b = 2;
a = b;
b = 3;
What does a equal?
Variable Names
variables.c
Swapping Variables

```c
int a = 1;

int b = 2;

int temp = a;

a = b;

b = temp;
```
% Modulus operator

x % 2 == 0;