The Task

Write a program which requests two (decimal) integers \( n \) and \( b \) from the user, and prints the representation of \( n \) in base \( b \).
Plan

- Set up skeleton program;
- develop program incrementally;
- at each stage, insert debugging information;
- at each stage, test.

Setting Up

For trivial programs like this, can just type from nothing.
In larger settings, will often copy pre-existing template (as done in labs).

Skeleton Program

```c
#include <stdlib.h>
#include <stdio.h>

int main(void) {
    return EXIT_SUCCESS;
}
```

Tips to remember

Check the program compiles after every change – and keep changes small.
Test functionality whenever you can.
Write test functions if possible.
If you don’t understand what your program is doing, add printf's and trace what’s happening to your variables.
(Advanced: use a debugger – but they have a steep learning curve.)

Edit–compile–run should be thought of as edit–compile–test.