

Reading input exercise

1. Create an Org-mode file `input.org`
2. Add this header at the top of the file and activate it with `C-c C-c`

```
#+STARTUP: overview hideblocks indent
#+PROPERTY: header-args:C :main yes :includes <stdio.h>
```

3. Enter the code in the code block:

```
int i;
printf("Enter an integer number: ");
scanf("%d", &i);
printf("You entered: %d\n", i);
```

C

Enter an integer number: You entered: 0

4. Run the code inside Emacs - this does not work!
5. Tangle the code (`C-c C-v t`).
6. Open a shell in another buffer window (`M-x shell`).
7. Compile and run the program `input.c` on the shell.
8. Go back to the Org-file `input.org` and add a bash code block:

```
echo "15" > ./input
```

This block puts the number 15 into the file `input`.

9. Now go back to your C code block and add the header argument `:cmdline < input` to it.
10. Run the C code block again. It should now give the correct result and print out 15. You can try this with other numbers that you enter in the bash code block:

```
int i;
printf("Enter an integer number: ");
scanf("%d", &i);
printf("You entered: %d\n", i);
```

Enter an integer number: You entered: 15

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