

# CC Agenda

CSC 100 - Summer I, 2022

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## Reading input exercise

1. Create an Org-mode file `input.org`
2. Add this 2:

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

3. Enter the code in ??.

```
// declare integer
int i;
// ask for input
printf("Enter an integer number: ");
// get input
scanf("%d", &i);
// print input
printf("You entered: %d\n", i);
```

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 ??:

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

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

9. Now go back to your code block ?? and add the header argument `:cmdline < input` to it as shown in ?? below.

```
// declare integer
int i;
// ask for input
printf("Enter an integer number: ");
// get input
scanf("%d", &i);
// print input
printf("You entered: %d\n", i);
```

10. Run the 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 shell code block ??.