

CS162 Discussion Session 1: Introduction to OCaml

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Office hour: Mondays 12-2pm, TA Trailer

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Installation

Installation

- Installation instructions:

<https://ocaml.org/docs/install.html>

- IDE:

No required IDE.

You can use a text editor you are comfortable with (e.g. Sublime).

You can play with some online Ocaml editor (e.g. Try Ocaml).

Online resources

- OCaml tutorials: <https://ocaml.org/learn/tutorials/>
- Using, Understanding, and Unraveling The OCaml Language:
<https://caml.inria.fr/pub/docs/u3-ocaml/index.html>

Hello world!

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- Let's do some simple coding!

Hello world!

```
1  (* Hello world! *)
2  print_string "Hello world! \n";;
3
4  (* Define an anonymous addition function*)
5  print_int ((fun x -> x + 10) 2);;
6  print_newline();;
7
8  (* Define a function named average*)
9  let average a b =
10     let sum = a +. b in
11     sum /. 2.;;
12  print_float (average 1. 4.);;
13  print_newline();;
14
```

A few things to remember

- When doing float operation, add a `.` after every operator and number.
- Add two semicolons `;;` to end your definition.
- Please spend some time on the online tutorials to get more details about OCaml.

Q & A