What is a *toploop*?

An interactive evaluator for a language.

How large is an int?

One bit less than the size of a machine word.

How can integer arithmetic be done on floats?

- Using the float operators, +., *., etc.
- Using the float_of_int conversion.

Convert a char to an int.

And back.

Char.code

Char.chr

Concatenate two strings.



Unlike in most high-level languages, OCaml strings are ...

Demonstrate this.

```
... mutable.

# let seuss = "cat";;
val seuss : string = "cat"
# seuss.[0] <- 'h';;
- : unit = ()</pre>
```

seuss;;

- : string = "hat"

Describe the Boolean type.

How is it negated?

Type bool has values true and false.

Negation is performed with unary not.

Give the equality operators.

Give the identity operators.

Equality:

x = y

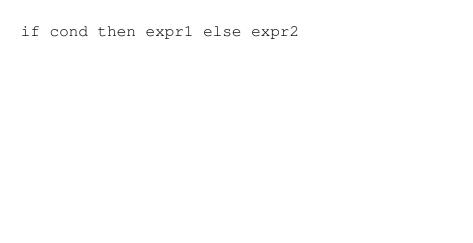
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Identity:

x == yx != y Describe the boolean operators.



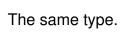
Give the conditional syntax.



What common value does OCaml lack?



Unlike in Scala, both the if and else branches of a conditional must have ...



What are the INRIA tools called?

- ocaml is the toploop
- ocamle is the bytecode compiler

- ocamldebug is the debugger

- ocamlopt is the machine code compiler