

A tour of Nix

15 / 35 Attribute sets: examples 1

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Make all `ex0` up to `ex7` evaluate to true.

Note: For the '?' operator, see

<https://nixos.org/manual/nix/stable/language/operators#has-attribute>

Note: <https://nixos.org/manual/nix/stable/language/builtins.html#builtins-listToAttrs>

Note: See video [@youtube](#)

```
1 with import <nixpkgs> { };
2 with stdenv.lib;
3 let
4   attr = {a="a"; b = 1; c = true;};
5   s = "b";
6 in
7 {
8   #replace all X, everything should evaluate to true
9   ex0 = isAttrs X;
10  # ex1 = attr.a == X;
11  # ex2 = attr.${s} == X;
12  # ex3 = attrVals ["c" "b"] attr == [ XXX ];
13  # ex4 = attrValues attr == [ XXX ];
14  # ex5 = builtins.intersectAttrs attr {a="b"; d=234; c="";}
15  #   == { X = X; X = X;};
16  # ex6 = removeAttrs attr ["b" "c"] == { XXX };
17  # ex7 = ! attr ? a == XXX;
18 }
19
```

[reset](#)[solution](#)[run](#)

```
with import <nixpkgs> { };
with stdenv.lib;
let
  attr = {a="a"; b = 1; c = true;};
  s = "b";
in
{
  #replace all X, everything should evaluate to true
  ex0 = isAttrs attr;
  ex1 = attr.a == "a";
  ex2 = attr.${s} == 1;
  ex3 = attrVals ["c" "b"] attr == [true 1];
  ex4 = attrValues attr == ["a" 1 true];
  ex5 = builtins.intersectAttrs attr {a="b"; d=234; c="";} == { a = "b"; c=""};
  ex6 = removeAttrs attr ["b" "c"] == {a = "a"};
  ex7 = ! attr ? a == false;
}
```