Clean code

```
1
# This is bad
c = 5
d = 12
# This is good
city_counter = 5
elapsed_time_in_days = 12
2
import random
# This is bad
def roll():
return random.randint(0, 36) # what is 36 supposed to represent?
# This is good
ROULETTE_POCKET_COUNT = 36
def roll():
return random.randint(0, ROULETTE_POCKET_COUNT)
3
# This is good
score_list = [12, 33, 14, 24]
word_dict = {
'a': 'apple',
'b': 'banana',
'c': 'cherry',
}
4
# This is bad
fna = 'Bob'
cre_tmstp = 1621535852
# This is good
first_name = 'Bob'
creation_timestamp = 1621535852
```

1) Some languages that are considered to be compiled: Ada **ALGOL** ALGOL 60 ALGOL 68 **SMALL BASIC PowerBasic** Visual Basic (to bytecode) PureBasic С C++ C# (to bytecode) CLEO **COBOL** Cobra Crystal D eC Eiffel Sather Ubercode Erlang (to bytecode) F# (to bytecode) Factor (later versions) Forth Fortran Go Haskell Haxe (to bytecode or C++) Java (to bytecode) Clojure[2] Scala Kotlin **JOVIAL** Julia (through JIT) LabVIEW, G Lisp Common Lisp Mercury ML Standard ML Alice **OCaml** Nim (to C, C++, or Objective-C) **Pascal**

interpreted language generally refers to languages that are usually interpreted rather than compiled.

Ant APL AutoHotkey scripting language AutoIt scripting language BASIC (some dialects) Programming Language for Business (PL/B, formerly DATABUS, later versions added optional compiling) Eiffel (via Melting Ice Technology in EiffelStudio) **Emacs Lisp FOCAL** GameMaker Language Groovy J Julia (compiled on the fly to machine code, but a transpiler Julia2C exists) **JavaScript** Lisp (early versions, pre-1962, and some experimental ones; production Lisp systems are compilers, but many of them still provide an interpreter if needed) LPC Lua MUMPS (an ANSI standard general-purpose language) Maple Mathematica **MATLAB OCaml** Pascal (early implementations) **PCASTL** Perl PHP PostScript PowerShell **PROSE** Python Rexx R **REBOL** Ring Ruby S-Lang Speakeasy Standard ML (SML) Spin

Tcl Tea

Open source lan
1.JavaScript
2.Python
3.PHP
4.Swift
5.R Programming
6.C++
7.Go
8.Kotlin
9.Scala
10.Ruby