python - easy deploing

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Once upon a time...

• 'ugly' assembler had to be used (e.g. MIPS)

don't get me wrong

- Assembler is the closest, directest way to program a CPU
- ⇒ so its the fastest code you can write
 - you might just want to switch on the coffee-maker
- ⇒ you don't care if it takes 2 nano- or 200 milliseconds

High Level Programming

- it doesn't mean you have to have a high level to program it
- it the opposite: you only have to handle abstracted commands the assembler code will be created for you
- checkout 'hello world' in C

```
#include <stdio.h>
main()
{
   printf("Hello_World_\n");
}
```

python-Programming

- python is even more high level then c
 - doesn't care what type you are using
 - the syntax is intuitive
 - its an interpreter language, so you don't have to compile it
 - it's build from scratch, so there is no(t much) historical payload

print "hello_world"

whats this suppose to mean?

- you don't have to create an binary file
- the programm is evaluated linewise
- ⇒ so you are able to get a prompt

```
$ python
>>> print 'Hello World'
Hello World
```