1 C Listing

```c
#include <stdio.h>

// main prints "hello world" to standard output.
int main(int argc, char **argv) {
  printf("hello world\n");
  return 0;
}
```

Listing 1: C listing using the default C language and the custom style `c/style`.

2 Assembly Listing with NASM Syntax

```nasm
extern printf
extern exit
global _start

[section .text]
_start:
        mov     rdi, hello ; arg1: "hello world\n"
        call    printf     ; printf("hello world\n")
        mov     rdi, 0     ; arg1: 0
        call    exit       ; exit(0)

[section .rodata]
hello:
        db      'hello world', 10, 0
```

Listing 2: Assembly listing with NASM syntax using the custom language `nasm/lang` and the custom style `nasm/style`.