

```
#!/usr/bin/perl
# Filename: writemake.pl
# Author: A.G.Raja
# Website: agraja.wordpress.com
# License: GPL

use strict;
use warnings;
open(FH, ">Makefile") or die "Cannot create Makefile";
print FH ("# Filename : Makefile\n");
print FH ("# Author  : writemake.pl\n");
print FH ("# License  : GPL\n");
print FH ("\n");
print FH ("\n");
print FH ("all: build\n\n");
print FH ("build: " . $ARGV[0] . ".o\n\n");
print FH ("shared: " . $ARGV[0] . ".so\n\n");
print FH ("clean: \n");
print FH ("\trm " . $ARGV[0] . ".*o\n\n");

print FH ($ARGV[0] . ".o: " . $ARGV[0] . ".c\n");
print FH ("\tgcc -o " . $ARGV[0] . ".o " . $ARGV[0] . ".c\n\n");

print FH ($ARGV[0] . ".so: " . $ARGV[0] . ".c\n");
print FH ("\tgcc -fPIC -shared -o " . $ARGV[0] . ".so " . $ARGV[0] . ".c\n");
close FH;

#EOF writemake.pl
```

Usage:

```
chmod +x writemake.pl
writemake.pl hello
```

Here is the generated Makefile:

```
# Filename : Makefile
# Author   : writemake.pl
# License  : GPL

all: build

build: hello.o

shared: hello.so

clean:
    rm hello.*o

hello.o: hello.c
    gcc -o hello.o hello.c

hello.so: hello.c
    gcc -fPIC -shared -o hello.so hello.c
```