

# C

## 短いコードを書く

```
#include <stdio.h>
```

```
int main(){char*s="#include <stdio.h>%c"int main()  
{char*s=%c%s%c;printf(s, 10, 34, s, 34);};printf(s, 10, 34, s, 34);}
```

```
main(){char*s="main(){char*s=%c%s%c;printf(s, 34, s, 34);};printf(s,  
34, s, 34);}
```

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## 短いコードを書く

```
/tmp > echo 'main(){char*s="main(){char*s=%c%s%c;printf(s, 34, s, 34);}";printf(s, 34, s, 34);}' > main.c
/tmp > gcc main.c
main.c:1:1: warning: return type defaults to 'int' [-Wimplicit-int]
    1 | main(){char*s="main(){char*s=%c%s%c;printf(s, 34, s, 34);}";printf(s, 34, s, 34);}
      | ^~
main.c: In function 'main':
main.c:1:61: warning: implicit declaration of function 'printf' [-Wimplicit-function-declaration]
    1 | main(){char*s="main(){char*s=%c%s%c;printf(s, 34, s, 34);}";printf(s, 34, s, 34);}
      | ^~~~~~
main.c:1:1: note: include '<stdio.h>' or provide a declaration of 'printf'
+++ |+#include <stdio.h>
    1 | main(){char*s="main(){char*s=%c%s%c;printf(s, 34, s, 34);}";printf(s, 34, s, 34);}
main.c:1:61: warning: incompatible implicit declaration of built-in function 'printf' [-Wbuiltin-declaration-mismatch]
    1 | main(){char*s="main(){char*s=%c%s%c;printf(s, 34, s, 34);}";printf(s, 34, s, 34);}
      | ^~~~~~
main.c:1:61: note: include '<stdio.h>' or provide a declaration of 'printf'
/tmp > ./a.out
main(){char*s="main(){char*s=%c%s%c;printf(s, 34, s, 34);}";printf(s, 34, s, 34);}%
/tmp > 
```