//max size of a file

#include <stdio.h>

#define BLOCK\_SIZE 8192

#define POINTER\_SIZE 4

#define DIRECT\_BLOCKS 12

#define SINGLE\_INDIRECT\_BLOCKS (BLOCK\_SIZE / POINTER\_SIZE)

#define DOUBLE\_INDIRECT\_BLOCKS (SINGLE\_INDIRECT\_BLOCKS \* SINGLE\_INDIRECT\_BLOCKS)

#define TRIPLE\_INDIRECT\_BLOCKS (SINGLE\_INDIRECT\_BLOCKS \* DOUBLE\_INDIRECT\_BLOCKS)

int main() {

long long maxFileSize;

maxFileSize = (long long)DIRECT\_BLOCKS \* BLOCK\_SIZE +

(long long)SINGLE\_INDIRECT\_BLOCKS \* BLOCK\_SIZE +

(long long)DOUBLE\_INDIRECT\_BLOCKS \* BLOCK\_SIZE \* SINGLE\_INDIRECT\_BLOCKS +

printf("Maximum file size: %lld bytes\n", maxFileSize);

return 0;

}

Output:

