Problem one:

Write a C program that makes a copy of a text file, replacing each upper case character letter with the corresponding lowercase letter, and leaving all other characters unchanged.

Problem Two:

Assuming size of `int` is 4 bytes, what is content of file `out.bin`.

```
#include <stdio.h>
void write_binary (const char *filename, const int *a, int n);

int main()
{
    const char* filename = "out.bin";
    int a[10] = {9, 6, 77, 55, 4};
    write_binary(filename, a, 3);
}

void write_binary (const char *filename, const int *a, int n)
{
    FILE *fp = fopen(filename, "wb");
    fwrite((void *) "ENGG", 1, 4, fp);
    fwrite((void *) &n, sizeof(int), 1, fp);
    fwrite((void *) a, sizeof(int), n, fp);
    fclose(fp);
}
```

Problem Three:

Write a function called read_binary that reads and displays the data in the file created in problem two, on the screen.