A realtor uses a program to search for houses for her clients.  Here is a sample run:

jon@mars: $ ./houses
Input file : houses.txt

1. Houses with minimum number of bedrooms.
2. Houses on lot greater than n acres.
3. Houses in a price range.
4. Print all houses.
9 to quit

Enter an option : 1
minimum number of bedrooms : 4

| id | beds | baths | square feet | acres | price |
|----|------|-------|-------------|--------|--------|
| 2  | 4    | 3     | 2400        | 0.5500 | 175000 |
| 4  | 5    | 3     | 3050        | 0.6000 | 270000 |

1. Houses with minimum number of bedrooms.
2. Houses on lot greater than n acres.
3. Houses in a price range.
4. Print all houses.
9 to quit

Enter an option : 2
minimum lot size : 0.6

| id | beds | baths | square feet | acres | price |
|----|------|-------|-------------|--------|--------|
| 4  | 5    | 3     | 3050        | 0.6000 | 270000 |

1. Houses with minimum number of bedrooms.
2. Houses on lot greater than n acres.
3. Houses in a price range.
4. Print all houses.
9 to quit

Enter an option : 3
enter price range [min max] : 120000 160000

| id | beds | baths | square feet | acres | price |
|----|------|-------|-------------|--------|--------|
| 1  | 3    | 2     | 1800        | 0.5000 | 150000 |
| 3  | 2    | 1     | 1200        | 0.3000 | 120000 |
| 5  | 3    | 2     | 1750        | 0.4000 | 145000 |

1. Houses with minimum number of bedrooms.
2. Houses on lot greater than n acres.
3. Houses in a price range.
4. Print all houses.
9 to quit

```
Enter an option : 4
 id     beds    baths   square feet     acres       price
 1      3       2       1800    0.5000      150000
 2      4       3       2400    0.5500      175000
 3      2       1       1200    0.3000      120000
 4      5       3       3050    0.6000      270000
 5      3       2       1750    0.4000      145000

1. Houses with minimum number of bedrooms.
2. Houses on lot greater than n acres.
3. Houses in a price range.
4. Print all houses.
9 to quit

Enter an option : 9
jon@mars: $
```

The main program, the header file and the database of houses have been provided to you. You may not change them in any way. Your job is to write the functions for this program. You must turn in the following files:

1. makefile – should create an executable called houses. The objects should depend on houses.h and houses should depend on the objects and houses.h.
2. print_header.c
3. print_houses.c
4. print_one_house.c
5. print_bedrooms.c
6. print_lot.c
7. print_price.c

Do not turn in houses.c, houses.h or houses.txt. I will supply those files and your functions must work with my files.