Exercise #13

1. Read the following data file [10co2008CO.txt]. Calculate the average of Close for each day and save to a file

```
Date      Time     Close
2008/01/02  09:30    94.49
2008/01/02  10:30    94.93
2008/01/02  11:30    95.70
2008/01/02  12:30    95.57
2008/01/02  13:30    96.26
2008/01/02  14:30    96.30
2008/01/02  15:30    96.07
2008/01/02  16:00    96.22
2008/01/03  09:30    98.04
2008/01/03  10:30    97.95
2008/01/03  11:30    97.90
2008/01/03  12:30    98.00
2008/01/03  13:30    97.59
2008/01/03  14:30    97.65
2008/01/03  15:30    97.65
```

Output file

Date	avg_close
2008/01/02	96.6925
2008/01/03	97.775
…	

2. (structure, File) Given the following structure of an address book

```
struct Personal{
  char name[15];
  int  bornYear;
  char phoneNumber[11];
  char address[20];
};
```

◆ In main(),
  ● Input the size of the address book?
  ● Use **new** to allocate memory for the address book
  ● Input the address book data
  ● Write a function to store the address book
  ● Write a function to read the address book
  ● **Delete** the memory when you don't need it.
◆ Use binary mode (fwrite and fread) and text mode (fprintf and fscanf) to implement it.
◆ Add a delete_record(name) function. Input a name, and delete his record from the address book file.