Output: (Sample run of program)

Header when starting program:

Menu that appears when user presses "Enter":

```
Please select one of the following operations:
1. Display flow list, and the average flow.
2. Add data.
3. Save data into the file.
4. Remove data.
5. Quit.
Enter your choice (1, 2, 3, 4 or 5):
```

User chooses option 1 (display):

```
Enter your choice (1, 2, 3, 4 or 5):
Year: Flow (in billions of cubic meters):
1900 220.11
1901
      210.11
      192.99
1922
1945 145.66
1946
     300.99
1947
     310.99
1970 100.34
1971
      209.99
1972
     219.99
1989 234.98
1990 214.98
     110.99
1999
     110.22
2000
2001
     231.44
2002
      211.44
The annual average of the flow is: 201 billion cubic meters.
<<< Press Enter to Continue >>>
```

User presses "Enter" again, loops back to choice menu:

```
Please select one of the following operations:
1. Display flow list, and the average flow.
2. Add data.
3. Save data into the file.
4. Remove data.
5. Quit.
Enter your choice (1, 2, 3, 4 or 5):
```

User chooses option 2 (add data), however the year chosen already has a record in the set:

```
Enter your choice (1, 2, 3, 4 or 5):

Enter the year of the new data:
2002
Enter the flow of the new data:
200.10
Error: Data record already exists in the set.

<<< Press Enter to Continue >>>
```

User chooses option 2 (add data), and provides data for a new year that does not already exist in the set:

User chooses option 4 (remove data), however the year chosen does not have a record in the set:

User chooses option 4 (remove data), and the year chosen does have a record in the set:

User chooses option 1 (display), this time for the modified set after the above additions / removals:

```
Enter your choice (1, 2, 3, 4 or 5):
1
       Flow (in billions of cubic meters):
Year:
1900
       220.11
1922
       192.99
1945
     145.66
1946
      300.99
     310.99
1947
1970 100.34
1971
      209.99
1972 219.99
1989
       234.98
1990
     214.98
1999 110.99
2000
      110.22
     231.44
2001
       211.44
2002
2020
       200.2
The annual average of the flow is: 200 billion cubic meters.
<<< Press Enter to Continue >>>
```

User chooses option 3 (save data into file), and saves the new modified set into the flow.txt file:

Modified Flow.txt file containing the set above, after the user saved the set into the file:

Flow 2 > Flow > Flow > No Selection		
1	1900	220.11
2	1922	192.99
3	1945	145.66
4	1946	300.99
5	1947	310.99
6	1970	100.34
7	1971	209.99
8	1972	219.99
9	1989	234.98
10	1990	214.98
11	1999	110.99
12	2000	110.22
13	2001	231.44
14	2002	211.44
15	2020	200.2
16		

User chooses an invalid choice, program prompts for re-entry until a valid choice is provided:

User chooses option 5 (quit program), which causes the program to terminate:

Enter your choice (1, 2, 3, 4 or 5):

5

Program terminated successfully.

Program ended with exit code: 0