

Testing runs

When started program.

```
root@DESKTOP-F4GA33A:/mnt/f/C/Project2# ./ghostBuster

#SYSTEM: Start reading data file.
#SYSTEM: Validate event data.
#SYSTEM: Finished validate event data.
#SYSTEM: Sorting event data.
#SYSTEM: Finished sorting event data.
#SYSTEM: Reading file success.

Welcome to RUN RAN RUN Ghostbuster Company!
Time: 08-12-2017 00:19

Menu :
    1 - DISPLAY ALL EVENT
    2 - ADD NEW EVENT
    3 - SEARCH EVENT
    4 - DUMP FILE
    5 - EXIT
What options do you want?:
```

When select display all of event.

```
Welcome to RUN RAN RUN Ghostbuster Company!
Time: 08-12-2017 00:19

Menu :
  1 - DISPLAY ALL EVENT
  2 - ADD NEW EVENT
  3 - SEARCH EVENT
  4 - DUMP FILE
  5 - EXIT
What options do you want?: 1

===== Display all event =====

===== EVENT YEAR 2017 =====

Event Code: 2017-0001
  Time Event      : 20/01/2017 12:00
  Name Person Reporter : Mr. SaabSettha
  Phone Number    : 097-9659654
  Type of Event   : V,Z,O
  Latitude        : 10.0956
  Longitude       : 100.5622
  Time Investigate : 21/02/2017 21:30
  Name Person Investigating : Mr. Klnatha
  Result          : SUCCESS

Event Code: 2017-0002
  Time Event      : 23/10/2017 10:00
  Name Person Reporter : Satoshi
  Phone Number    : 02-9123926
  Type of Event   : W,G
  Latitude        : 11.9999
  Longitude       : 099.9999
  Time Investigate : 25/11/2017 19:59
  Name Person Investigating : Kojira
  Result          : FAILURE

Event Code: 2017-0003
  Time Event      : 03/06/2017 17:59
  Name Person Reporter : Muzashi
  Phone Number    : 02-5295626
  Type of Event   : G,O,Z
  Latitude        : 10.9900
  Longitude       : 100.0101
  Time Investigate : 09/10/2017 18:40
  Name Person Investigating : Rocket
  Result          : SUCCESS

Event Code: 2017-0004
  Time Event      : 09/09/2017 00:59
  Name Person Reporter : Hoito
  Phone Number    : 090-9659152
  Type of Event   : O,W
  Latitude        : 10.9900
  Longitude       : 100.0101
  Time Investigate : 10/09/2017 00:00
  Name Person Investigating : Conan
  Result          : UNKNOWN

=====

Menu :
  1 - DISPLAY ALL EVENT
  2 - ADD NEW EVENT
  3 - SEARCH EVENT
  4 - DUMP FILE
  5 - EXIT
What options do you want?:
```

When select add new event.

```
Menu :
  1 - DISPLAY ALL EVENT
  2 - ADD NEW EVENT
  3 - SEARCH EVENT
  4 - DUMP FILE
  5 - EXIT
What options do you want?: 2

===== Add information =====

Enter event date (dd-mm-yyyy hh:mm): 20-10-2016 23:00
Enter name report: Joey
Enter Phone Number: 02-9959565
Enter Types of Event: Z,V
Enter latitude: 09.0000
Enter longitude: 101.0005
Enter investigate date (dd-mm-yyyy hh:mm): 21-10-2016 21:00
Enter name investigate: Jack Sam Wright
Enter result (1 = SUCCESS, 2 = FAILURE, 3 = UNKNOWN): 2

Display new event.
Event Code: 2016-0001
  Time Event           : 20/10/2016 23:00
  Name Person Reporter : Joey
  Phone Number         : 02-9959565
  Type of Event        : Z,V
  Latitude              : 09.0000
  Longitude             : 101.0005
  Time Investigate     : 21/10/2016 21:00
  Name Person Investigating : Jack Sam Wright
  Result               : FAILURE

#SYSTEM: Now program is saving. Please don't close program.
#SYSTEM: Saving success!

=====

Menu :
  1 - DISPLAY ALL EVENT
  2 - ADD NEW EVENT
  3 - SEARCH EVENT
  4 - DUMP FILE
  5 - EXIT
What options do you want?:
```

When select search event by event code and edit the data.

```
Menu :
  1 - DISPLAY ALL EVENT
  2 - ADD NEW EVENT
  3 - SEARCH EVENT
  4 - DUMP FILE
  5 - EXIT
What options do you want?: 3

===== Search information =====

  Select how to search that you want:
    1 - Search by event code
    2 - Search by others
  What do you want to search? (Hit <CR> to return): 1
Enter Event Code: 2017-0001
Event Code: 2017-0001
  Time Event           : 20/01/2017 12:00
  Name Person Reporter : Mr. SaabSettha
  Phone Number         : 097-9659654
  Type of Event        : V,Z,0
  Latitude              : 10.0956
  Longitude             : 100.5622
  Time Investigate     : 21/02/2017 21:30
  Name Person Investigating : Mr. KlaNatha
  Result               : SUCCESS

  What do you want to do? (1 = MODIFY, 2 = DELETE): 1
#SYSTEM: If don't want to change, hit to the next.
Enter name report: Mr.Saab Settha
Enter Phone Number:
Enter Types of Event:
Enter latitude:
Enter longitude:
Enter investigate date (dd-mm-yyyy hh:mm):
Enter name investigate: Mr.Kla Natha
Enter result (1 = SUCCESS, 2 = FAILURE, 3 = UNKNOWN):

Event Code: 2017-0001
  Time Event           : 20/01/2017 12:00
  Name Person Reporter : Mr.Saab Settha
  Phone Number         : 097-9659654
  Type of Event        : V,Z,0
  Latitude              : 10.0956
  Longitude             : 100.5622
  Time Investigate     : 21/02/2017 21:30
  Name Person Investigating : Mr.Kla Natha
  Result               : SUCCESS

Do you want to save information?(Y/N): Y
#SYSTEM: Now program is saving. Please don't close program.
#SYSTEM: Saving success!

  Select how to search that you want:
    1 - Search by event code
    2 - Search by others
  What do you want to search? (Hit <CR> to return):
```

When select search event by others and select event code to delete the data.

```
Select how to search that you want:
    1 - Search by event code
    2 - Search by others
What do you want to search? (Hit <CR> to return): 2

#SYSTEM: Please input to search information.
#SYSTEM: Hit <CR>, if you don't want to search.
Enter Event year: 2016
Enter Types of Event:
Enter result (1 = SUCCESS, 2 = FAILURE, 3 = UNKNOWN):

===== EVENT YEAR 2016 =====

Event Code: 2016-0001
    Time Event           : 20/10/2016 23:00
    Name Person Reporter : Joey
    Phone Number         : 02-9959565
    Type of Event        : Z,V
    Latitude              : 09.0000
    Longitude             : 101.0005
    Time Investigate     : 21/10/2016 21:00
    Name Person Investigating : Jack Sam Wright
    Result                : FAILURE

Enter Event Code: 2016-0001
Event Code: 2016-0001
    Time Event           : 20/10/2016 23:00
    Name Person Reporter : Joey
    Phone Number         : 02-9959565
    Type of Event        : Z,V
    Latitude              : 09.0000
    Longitude             : 101.0005
    Time Investigate     : 21/10/2016 21:00
    Name Person Investigating : Jack Sam Wright
    Result                : FAILURE

    What do you want to do? (1 = MODIFY, 2 = DELETE): 2
Do you want to delete information?(Y/N): Y
Event Code: 2016-0001
    Event has been deleted

#SYSTEM: Now program is saving. Please don't close program.
#SYSTEM: Saving success!

Select how to search that you want:
    1 - Search by event code
    2 - Search by others
What do you want to search? (Hit <CR> to return):
```

When select search event with others and select event code to delete the data.

```
Menu :
  1 - DISPLAY ALL EVENT
  2 - ADD NEW EVENT
  3 - SEARCH EVENT
  4 - DUMP FILE
  5 - EXIT
What options do you want?: 4

===== Dump file =====

#SYSTEM: Now program is writing text file.
#SYSTEM: Dump text file success!
#SYSTEM: Text file name 'dataEvent.txt'.

=====

Menu :
  1 - DISPLAY ALL EVENT
  2 - ADD NEW EVENT
  3 - SEARCH EVENT
  4 - DUMP FILE
  5 - EXIT
What options do you want?:
```

Dumped Text file (dataEvent.txt)

Event Code: 2016-0001
Event has been deleted

Event Code: 2017-0001
Date and Time Event: 20/01/2017 12:00
Name Person Reportor: Mr.Saab Settha
Phone Number: 097-9659654
Type of Event: V,Z,O
Latitude: 10.0956
Longitude: 100.5622
Date and Time Investigate: 21/02/2017 21:30
Name Person Investigating: Mr.Kla Natha
Result: SUCCESS

Event Code: 2017-0002
Date and Time Event: 23/10/2017 10:00
Name Person Reportor: Satoshi
Phone Number: 02-9123926
Type of Event: W,G
Latitude: 11.9999
Longitude: 99.9999
Date and Time Investigate: 25/11/2017 19:59
Name Person Investigating: Kojira
Result: FAILURE

Event Code: 2017-0003
Date and Time Event: 03/06/2017 17:59
Name Person Reportor: Muzashi
Phone Number: 02-5295626
Type of Event: G,O,Z
Latitude: 10.9900
Longitude: 100.0101
Date and Time Investigate: 09/10/2017 18:40
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Name Person Reportor: Hoito
Phone Number: 090-9659152
Type of Event: O,W
Latitude: 10.9900
Longitude: 100.0101
Date and Time Investigate: 10/09/2017 00:00
Name Person Investigating: Conan
Result: UNKNOWN

When select exit program.

```
Menu :  
  1 - DISPLAY ALL EVENT  
  2 - ADD NEW EVENT  
  3 - SEARCH EVENT  
  4 - DUMP FILE  
  5 - EXIT  
What options do you want?: 5  
Do you want to exit program? (Y/N): Y  
#SYSTEM: Now program is saving. Please don't close program.  
#SYSTEM: Saving success!  
#SYSTEM: Free all dynamic memory.  
#SYSTEM: Program shuts down.
```