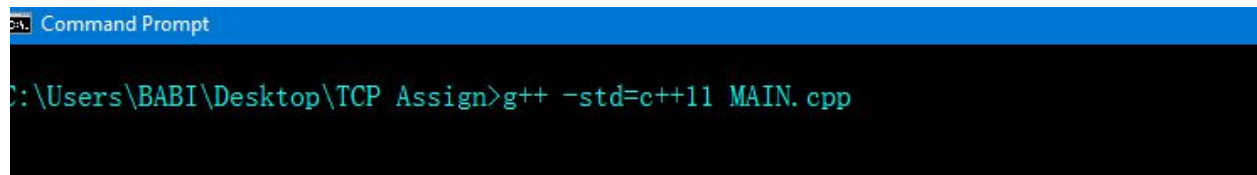PROJECT PART 2 DOCUMENTATION
COMPLETED BY : NG JIA WAIE (11427 00826)
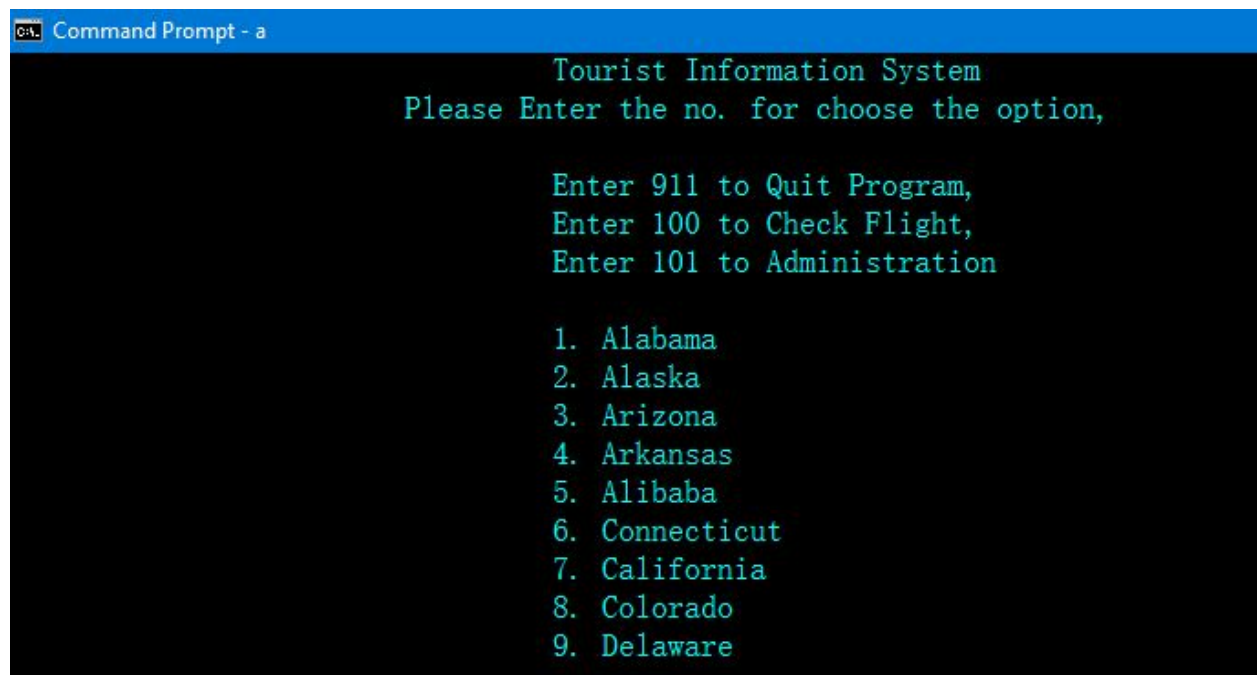
All type of Errors will be handle. After finish operation, it will back to menu.

1. User must compile program by your own.

Once user compile and launch the a.exe, this menu will be shown.

Then, user key in the number of option.

The program will show the Attraction types of the city. Either By show all or specifically. (Read from data.txt)

- After user input the specific attraction, then it will output the attraction categories,then input again.

```
1 Riverchase Galleria
1

Shopping
Alabama Shopping, Mall that have 200 Number of stores and services
Riverchase Galleria

Press any key to continue . . . ▪
```

- Show all

```
1. Shopping

2. Sport

 999 ----> Show ALL

999

Shopping
Alabama Shopping, Mall that have 200 Number of stores and services
Riverchase Galleria


Sport
Sport, Play golf in Robert Trent Jones Gold Trail
Outdoor Sport

Press any key to continue . . .
```

FLIGHT MODE (Flight Data get from fff.txt)

```
                    Tourist Information System
              Please Enter the no. for choose the option,

                    Enter 911 to Quit Program,
                    Enter 100 to Check Flight,
                    Enter 101 to Administration

                       1.  Alabama
                       2.  Alaska
                       3.  Arizona
                       4.  Arkansas
                       5.  Alibaba
                       6.  Connecticut
                       7.  California
                       8.  Colorado
                       9.  Delaware

100
```
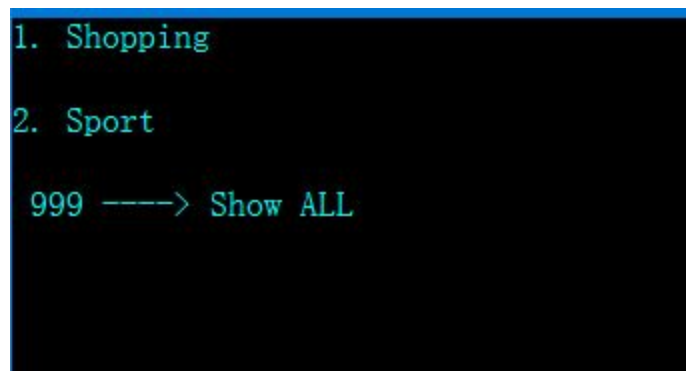
Flight Menu

```
Flight Path

1 Alabama
2 Alaska
3 Arizona
4 Arkansas
5 California
6 Colorado
7 Connecticut
8 Delaware

Origin --->
```

Flight Error Handle

```
Flight Path

1 Alabama
2 Alaska
3 Arizona
4 Arkansas
5 California
6 Colorado
7 Connecticut
8 Delaware

Origin --->9

Destination --->9

Invalid input, Please input again
Press any key to continue . . .
```

Direct Path

```
Flight Path

1 Alabama
2 Alaska
3 Arizona
4 Arkansas
5 California
6 Colorado
7 Connecticut
8 Delaware

Origin --->1

Destination --->1

There is direct path from 1 to 1
Press any key to continue . . .
```

Indirect Path

```
Flight Path

1 Alabama
2 Alaska
3 Arizona
4 Arkansas
5 California
6 Colorado
7 Connecticut
8 Delaware

Origin --->1

Destination --->2

There is an indirect path from 1 to 2
Press any key to continue . . .
```

No Path

```
Flight Path

1 Alabama
2 Alaska
3 Arizona
4 Arkansas
5 California
6 Colorado
7 Connecticut
8 Delaware

Origin --->1

Destination --->2

There is no path from 1 to 2
Press any key to continue . . .
```

ADMIN MODE


```
                    Tourist Information System
            Please Enter the no. for choose the option,

                         Enter 911 to Quit Program,
                         Enter 100 to Check Flight,
                         Enter 101 to Administration

                         1. Alabama
                         2. Alaska
                         3. Arizona
                         4. Arkansas
                         5. Alibaba
                         6. Connecticut
                         7. California
                         8. Colorado
                         9. Delaware

101
```

Input for Admin Mode


```
1.    Add new City
2.    Remove Existing City
3.    Edit Existing City  &  Attraction
4.    Edit Flight
```

Admin Menu
Input 1 or 2 or 3 or 4 to perform operation

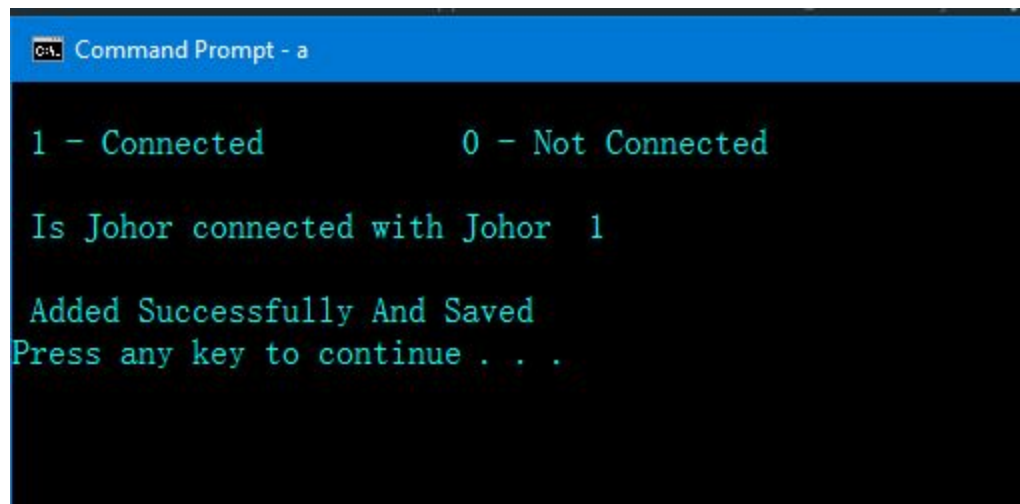ADMIN MODE - 1 - Add new City (New City is Johor)


```
Add New City :
Add City's Name
Johor

City Attraction Type Option : Culture, Shopping, Sport
Input either 1 Of the 3 option Above Exactly

Add City Attraction Type
ZZZ
Sport

Add Attraction's Detail
A Nice City

Add Attraction's Catogories
Huge City


Operation Successfull And Saved
Press any key to continue . . .
```

Yellow Arrow - Input Accepted by program
Red Arrow - Wrong Input, Will Be ignore.


```
1 - Connected          0 - Not Connected

Is Johor connected with Alabama  1
```

Program will ask user to input whether "Johor" is connected with the other all of city

```
Command Prompt - a

1 - Connected            0 - Not Connected

Is Johor connected with Johor  1

Added Successfully And Saved
Press any key to continue . . .
```

User need to input all of the question, until it show "Added Success".

Connection Data of Johor will be save to fff.txt.

New City(Johor) will be save into data.txt.

ADMIN MODE - 2 - Remove Existing City

```
Remove Existing City :
                                1.  Alabama
                                2.  Alaska
                                3.  Arizona
                                4.  Arkansas
                                5.  Connecticut
                                6.  California
                                7.  Colorado
                                8.  Delaware
                                9.  Johor

Enter City to Delete--->
9

 Delete Successfully And Saved

 Operation Successfull And Saved
Press any key to continue . . .
```

User input city to delete,
City that has been deleted will be remove from data.txt and
Connection flight of Johor with all other cities will be remove and save into
fff.txt.

ADMIN MODE - 3 - Edit Existing City And its Attraction

User input the option of city to be edit.

3.1 - To delete Specific attraction

After user input Choice 1,

User input the option of attraction to delete after choosing the specific city

```
Command Prompt - a
          City : Alabama
1. Shopping

2. Sport


 Attraction to Delete
1

 Delete Successfully And Saved

 Operation Successfull And Saved
Press any key to continue . . .
```

After User key in the attraction to be delete, delete operation will be process, All changes will be save to data.txt

3.2 - Delete All Attraction of The City


```
Command Prompt - a
          City : Alabama

  1 --->      To Delete Specific Attraction
  2 --->      To Delete All Attraction
  3 --->      To Edit Specific Attraction
  4 --->      To Add New Attraction

2

 Delete All Attraction Successfully And Saved

 Operation Successfull And Saved
Press any key to continue . . .
```

After user input Choice 2,
All Attraction of the specific city that chosen will be deleted, All changes will be save to data.txt

3.3 - Edit Specific Attraction

```
        City : Alabama
1. Shopping

2. Sport


 Attraction to Edit
1
        City : Alabama

 City Attraction Type Options : Culture, Shopping, Sport
 Input either 1 option from the options Above Exactly

 Add City Attraction Type
Culture
 Add Attraction's Detail
ASD
 Add Attraction's Catogories
hyhyh

 Operation Successfull And Saved
Press any key to continue . . .
```

After user input Choice 3, User will be showed the attraction that contained in the city,

After user input the choice of attraction to edit, user can update all the information of the particular attraction.

Success Message will be out if all changes is acceptable.

All changes will be save to data.txt

3.4 - Add new attraction to the specific City

```
        City : Alabama

  1 --->      To Delete Specific Attraction
  2 --->      To Delete All Attraction
  3 --->      To Edit Specific Attraction
  4 --->      To Add New Attraction

4
        City : Alabama

City Attraction Type Options : Culture, Shopping, Sport
 Input either 1 option from the options Above Exactly

 Add City Attraction Type
Shopping
 Add Attraction's Detail
S
 Add Attraction's Catogories
F


 Operation Successfull And Saved
Press any key to continue . . .
```

After user input Choice 4, user need to add the new attraction details.

After user input data required,
Success Message will be out if all changes is acceptable.

All changes will be save to data.txt

ADMIN MODE - 4 - Edit Flight

```
1.    Add new City
2.    Remove Existing City
3.    Edit Existing City  &  Attraction
4.    Edit Flight
4

Edit City's Flight

                                    1.  Alabama
                                    2.  Alaska
                                    3.  Arizona
                                    4.  Arkansas
                                    5.  Connecticut
                                    6.  California
                                    7.  Colorado
                                    8.  Delaware
1

 1 - Connected           0 - Not Connected

 Is Alabama connected with Alabama city  0

 1 - Connected           0 - Not Connected

 Is Alabama connected with Alaska city  0
```

User need to input the city of flight to edit.

Then, user required to update all flight connection of all the city with the city that tobe edit.

```
1 - Connected              0 - Not Connected

Is Alabama connected with Arizona city  0

1 - Connected              0 - Not Connected

Is Alabama connected with Arkansas city  0

1 - Connected              0 - Not Connected

Is Alabama connected with Connecticut city  0

1 - Connected              0 - Not Connected

Is Alabama connected with California city  0

1 - Connected              0 - Not Connected

Is Alabama connected with Colorado city  0

1 - Connected              0 - Not Connected

Is Alabama connected with Delaware city  0

Success
Press any key to continue . . .
```

After all flight connection is updated, Success Message will be out.

All changes will be save to fff.txt.

QUIT PROGRAM

```
                    Tourist Information System
            Please Enter the no. for choose the option,

                    Enter 911 to Quit Program,
                    Enter 100 to Check Flight,
                    Enter 101 to Administration

                    1.  Alabama
                    2.  Alaska
                    3.  Arizona
                    4.  Arkansas
                    5.  Alibaba
                    6.  Connecticut
                    7.  California
                    8.  Colorado
                    9.  Delaware

911_
```

User required to enter 911 to quit program.