README

1. Before running the file:

- All of the functions and the main scripts need **dataset**, that required put the **face-2.jpg**, **car-1.jpg**, **DatasetC.mpg** in the code directory.
- Running the code required MATLAB 2018B.
- Before upload the assignment, all file has been tested and worked correctly. If the file can not run, please check the version of the MATLAB and the three dataset name.

2. How to run the file

The main file is the **ICV_Assignment2_main_file.m**.
To get the result you need to double click the **ICV_Assignment2_main_file.m** file first.

1.1 To get the Question 4 - a result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell 4-a in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell 4-a in ICV_Assignment2_main_file.m file.

1.2 To get the Question 4 - b result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell 4-b in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell 4-b in ICV_Assignment2_main_file.m file.

1.3 To get the Question 4 - c result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell **4 - c : 16x16 search window, block_Size 4x4** and **4 - c : 16x16 search window, block_Size 16** and **4 - c : 16x16 search window, block_Size 88** in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell **4 - c : 16x16 search window, block_Size 4x4** and **4 - c : 16x16 search window, block_Size 16** and **4 - c : 16x16 search window, block_Size 88** in ICV_Assignment2_main_file.m file.

1.4 To get the Question 4 - d result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell **4 - d : 88 search window, block_Size 88** and **4 - d : 16 search window, block_Size 88** and **4 - d : 32 search window, block_Size 88** in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell **4 - d : 88 search window, block_Size 88** and **4 - d : 16 search window, block_Size 88** and **4 - d : 32 search window, block_Size 88** in ICV_Assignment2_main_file.m file.

1.5 To get the Question 4 - e result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell 4-e in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell 4-e in ICV_Assignment2_main_file.m file.

2.1 To get the Question 5-a result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell 5-a in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell 5-a in ICV_Assignment2_main_file.m file.

2.2 To get the Question 5-b result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell 5-b in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell 5-b in ICV_Assignment2_main_file.m file.

2.3 To get the Question 5-c result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell 5-c in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell 5-c in ICV_Assignment2_main_file.m file.

2.4 To get the Question 5-d result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell 5-d in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell 5-d in ICV_Assignment2_main_file.m file.

3.1 To get the Question 5-a result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell 6-a in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell 6-a in ICV_Assignment2_main_file.m file.

3.2 To get the Question 5-b result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell 6-b in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell 6-b in ICV_Assignment2_main_file.m file.

3.3 To get the Question 5-c result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell 6-c in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell 6-c in ICV_Assignment2_main_file.m file.

3.4 To get the Question 5-d result:

- *For Mac Users*: The Click **Command Key** and **Enter Key** to run cell 6-d in ICV_Assignment2_main_file.m file.
- *For Windows Users*: The Click **Ctrl Key** and **Enter Key** to run cell 6-d in ICV_Assignment2_main_file.m file.

3. Algorithm

The algorithm of each function can find in the report.