**Assignment 3 – Files**

**Writing two (2) complete programs.**

1. Create a file that keeps employees’ information. The file contains the following records: Name, ic number, address1, address2, town, state code and monthly income. State codes and names are as follows:

State code State

1. Wilayah Persekutuan
2. Perak
3. Selangor
4. Melaka
5. Negeri Sembilan
6. Johor
7. Pahang
8. Trengganu
9. Kelantan
10. Pulau pinang
11. Kedah
12. Sarawak
13. Sabah
14. Wilayah Persekutuan Labuan

Write a program that does the followings:

1. Ask the user to key in the number of employee. Read each employee’s data from keyboard and write them to a file.
2. Read data from the file and do the followings:
3. Determine exact age (year, month, day) of each employee and display name and age on the screen.
4. Find employees’ income less than 5000 and display their name and state name
5. Display all information for each employee.
6. Write a program that display fruits information. Steps to build the program is described below:
   1. Define a class named Fruit that has attributes; name, price per kg, origin of country. It’s member function including: getName(), getPricePerKg and getCountry and displayInfo().
   2. Define all three member function where each function will return name, price and country respectively.
   3. Define a default constructor that initializes appropriate values for each attributes.
   4. In main() function, create an instant of class fruit named apple, jackfruit, banana, mango and kiwi fruit using:
      1. User input. Create member function readData()that prompt user to key in all necessary information for each fruit.
      2. Default Constructor. Initialize values for attributes during the creation of an instant of the class.
      3. Use displayInfo to display all object’s information to the careen.