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| |  |  | | --- | --- | |  | **Programming Fundamentals** | |  | **(CL214)** | |  | **Class Assignment 2** | |  | **Individual assignment** | |  | **C:\Users\Aamer\Desktop\nu-new.pngDeadline**  **16th February 2020** |  |  |  |  |  | | --- | --- | --- | --- | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | | **NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES (NUCES), ISLAMABAD** | | | | |  | | | | | Prepared by: | Engr. Sana Hassan | Date: | 11th Feb 2020 | | Verified by: | Engr. Shahid Qureshi |  |  | | | | |
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| **CLO1** | **Show** memory maps (representation and alignment) of data structures such as struct, bit-fields, unions etc. |

Create a bank database system using structures. Following is the data they want to store for each customer:

1. First Name
2. Last Name
3. CNIC
4. Account ID
5. Balance

The data is provided in a text file (Ass02-Customer-and-Account.txt) attached. You program should be able to perform following task:

1. Read data of customers from a text file and store it in an array.
2. Print data of all the customers.
3. Search a customer by its Name and display its information.
4. Sort customer’s data on basis of First\_Name.
5. Sort customer’s data on basis of Account ID.
6. Sort customer’s data on basis of Balance.
7. Ask user the information if he wants to open a new account.
8. Append this new account holder data in the text file.
9. Exit.

Your program should always show the above menu in do while loop and terminate only if user press 9 or Exit.