**Greet the user**

ask whether the user is

a)admin

b)census worker

**Admin Login:**

* The admin will log in using a valid username and password. ✅
* Username and ID will be stored in a global variable.✅
* Passwords are stored following the corresponding username.✅
* Upon login attempt, the program checks if the username exists.✅
* If the username exists, the program checks the corresponding password.✅
* If both username and password are correct, access is granted.✅
* If either username or password is incorrect, the admin gets another chance.✅
* If login fails repeatedly, access is denied, and the program terminates.✅

**Viewing Data:**

* After successful login, the admin can view data.
* The admin chooses between viewing data from the previous census (2012) or the current year.
* If the admin selects the previous census, data is retrieved from a text file.
* If the admin selects the current census, they choose to display data sector-wise.
* The admin selects a sector to view its data.

**Admin Logout:**

* After viewing data, the admin can choose to continue or logout.✅
* To logout, the admin presses any key.✅
* Upon logout, the program terminates from the admin's side.lid id password ✅

**Census Worker Tasks:**

**Sector-Wise Data Entry:**

* The census worker selects the sector they are working in (Sector A, Sector B, Sector C, or Sector D).✅
* A file is created based on the selected sector's name to store the data.
* The worker enters the number of houses in the selected sector.✅
* The data entry loop runs for each house in the sector.✅

**House-Wise Data Entry:**

* For each house, the worker enters the house number.✅
* The worker then enters the number of members in the house (minimum 1).✅
* Data is entered for each member according to specified categories.✅

**Data Categorization:**

* Name: Worker enters the name of each individual.✅
* CNIC: The CNIC (Computerized National Identity Card) number is recorded.✅
* Gender: Categorized as male, female, or others.✅
* Age: Categorized into toddlers, teens, adults, and old age, based on gender.✅
* Marital Status: Recorded to calculate married or unmarried individuals by gender.✅
* Religion: Classified into Islam, Christianity, Hinduism, and others (minorities).✅
* Literacy: Categorized as literate or illiterate.✅
* Employment: Whether employed, or not .✅

**Data Storage:**

* Data is stored in a text file in a specific format, with each index representing an attribute or category.
* When the admin requests to view data, the program retrieves and displays the data stored in the text file.