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A contact book would be a handy and exciting thing to program as it would require many classes and methods to implement a fully operational one. I Plan to have five classes(Driver, Number, Address, Occupation, and contact book). The program will prompt the user with a menu allowing them to pick 1 of 7 options (Create a new contact, Remove Contact, Print Contacts, Remove All Contacts, Print contact specific name/number print specific address, print particular occupation)

The first option would prompt the user to enter in all the information of a contact (FirstName, LastName, Number, Country, State, City, Street, Zip-Code, HouseNumber, Job, yearly Salary, and HoursperWeek)

The second option would prompt the user to enter the name of the contact they would like to remove from their contact book.

The third option would print all the contacts in the contact book.

The fourth option would remove all contacts,

The fifth option would prompt the user to enter in the name of the contact they would like to select and then print the name and number of that contact

The sixth option would prompt the user to enter the name of the contact they would like to select and then print the address of that contact.

The seventh option would prompt the user to enter the name of the contact they would like to select and then print the occupation.

The contactBook class would hold all the methods mentioned above and would be accessed through the driver.

The Interface(Driver) class would contain the main method and declare an ArrayList of 3 objects (Number, Address, Occupation). It would also contain a method called menu housing a switch case for the menu and method call options. The last method in this class would be the isInteger class to check whether the entered value is an int or not.

The Number Class would be the first part of the contact creation and would get information about the user's firstName, lastName, and phone number. The first and last name would be String variables, and the phone number would be a long. This method would contain getters, setters and a toString method.

The Address class would be the second part of the contact creation and would get the users country, state, city, street, zip, and house number. the country state city and street would all be string, and the zip and house numbers would be ints'

The Occupation class would be the third part of the contact creation and would get information about the user's job, salaries, and hours per week. The job variable would be a string and the pay and hours would be ints. This method would contain getters, setters and a toString method.