

Pseudocode

Initialize HashMap contacts

Initialize Scanner scan

Function main:

 Call mainMenu

Function mainMenu:

 Loop forever:

 Print menu options

 Get user input as choice

 If choice == "1":

 Call insertContact

 Else if choice == "2":

 Call searchContact

 Else if choice == "3":

 Call deleteContact

 Else if choice == "4":

 Call updateContact

 Else if choice == "5":

 Print "Exiting"

 Exit loop

 Else:

 Print "Invalid choice"

Function insertContact:

 Get name from user

 Get phoneNumber from user

 If name exists in contacts:

 Print "Contact already exists"

 Else:

 Add name and phoneNumber to contacts

 Print "Contact added successfully"

Function searchContact:

 Get name from user

 If name exists in contacts:

 Print name and corresponding phoneNumber

 Else:

 Print "Contact not found"

Function deleteContact:

Get name from user

If name exists in contacts:

Remove name from contacts

Print "Contact deleted successfully"

Else:

Print "Contact not found"

Function updateContact:

Get name from user

If name exists in contacts:

Get new phoneNumber from user

Update contacts with new phoneNumber

Print "Contact updated successfully"

Else:

Print "Contact not found"