

Code:

```
#!/bin/sh

OP=0

FILE="new.txt"

create () {

    echo "\nEnter file name: "

    read FILE

    touch $FILE

}

view () {

    i=1

    flag=0

    while read line

    do

        flag=1

        echo "ID: $i Data: $line"

        i=$((i+1))

    done < $FILE

    if [ $flag -eq 0 ]

    then

        echo "No records found"

    fi

}

insert () {

    read -p "Enter name: " name

    read -p "Enter phone number: " phone_no

    echo "$name - $phone_no" >> $FILE


    read -p "Add more records or exit: (y/n)" op

    if [ "$op" = "y" ]

    then

        insert

    fi

}

delete () {
```

```

        read -p "Enter the name to be deleted: " name
        result=`sed -i "/$name - */d" $FILE`
    }

    find () {
        read -p "Enter the name: " name
        result=`grep -i "$name" "$FILE"`
        if test -z "$result"
        then
            echo "Not found"
        else
            echo "Found record - $result"
        fi
    }

    modify () {
        read -p "Enter the name to update: " name
        read -p "Enter updated phone number: " number
        result=`sed -i "/$name - */d" $FILE`
        echo "$name - $number" >> $FILE
    }

while [ $OP -ne 07 ]
do

    echo "\n1.Create 2.View 3.Insert 4.Delete 5.Modify 6. Find 7. Exit"
    read -p "Enter choice: " OP

    case $OP in
        1) create
            ;;
        2) view
            ;;
        3) insert
            ;;
        4) delete
            ;;
        5) modify

```

```
..  
;;
```

```
6) find
```

```
..  
;;
```

```
7) echo "Exit"
```

```
..  
;;
```

```
*) echo "default"
```

```
..  
;;
```

```
esac
```

```
done
```

Output:

1.Create 2.View 3.Insert 4.Delete 5.Modify 6. Find 7. Exit

Enter choice: 1

Enter file name:

db.txt

1.Create 2.View 3.Insert 4.Delete 5.Modify 6. Find 7. Exit

Enter choice: 3

Enter name: somesh

Enter phone number: 99

Add more records or exit: (y/n)y

Enter name: karan

Enter phone number: 22

Add more records or exit: (y/n)y

Enter name: parth

Enter phone number: 55

Add more records or exit: (y/n)n

1.Create 2.View 3.Insert 4.Delete 5.Modify 6. Find 7. Exit

Enter choice: 2

ID: 1 Data: somesh - 99

ID: 2 Data: karan - 22

ID: 3 Data: parth - 55

1.Create 2.View 3.Insert 4.Delete 5.Modify 6. Find 7. Exit

Enter choice: 4

Enter the name to be deleted: karan

1.Create 2.View 3.Insert 4.Delete 5.Modify 6. Find 7. Exit

Enter choice: 2

ID: 1 Data: somesh - 99

ID: 2 Data: parth - 55

1.Create 2.View 3.Insert 4.Delete 5.Modify 6. Find 7. Exit

Enter choice: 5

Enter the name to update: parth

Enter updated phone number: 66

1.Create 2.View 3.Insert 4.Delete 5.Modify 6. Find 7. Exit

Enter choice: 2

ID: 1 Data: somesh - 99

ID: 2 Data: parth - 66

1.Create 2.View 3.Insert 4.Delete 5.Modify 6. Find 7. Exit

Enter choice: 6

Enter the name: somesh

Found record - somesh - 99

1.Create 2.View 3.Insert 4.Delete 5.Modify 6. Find 7. Exit

Enter choice: 7

Exit