**address.sh**

**create()**

{

echo "Enter name of Address book"

read abn

res= `ls | grep $abn | wc -w`

if [ $abn -gt 0 ]

then

echo "File is already exist"

else

echo "Address book created successfully"

fi

}

**add()**

{

echo "Enter first name"

read fname

echo "Enter last name"

read lname

echo "Enter Mobile Number"

read mobno

echo "Enter Email"

read email

echo "Enter City"

read city

echo "Enter State"

read st

echo "Enter pincode"

read code

echo "$fname $lname $mobno $email $city $st $code" >> $abn

echo "Record Inserted Successfuly"

}

**display()**

{

echo "Enter file name"

read $abn

cat $abn

}

**search()**

{

echo "Enter some pattern to search"

read data

grep -i "$data" $abn||echo " $data not found in file"

}

**delete()**

{

echo "Enter a pattern to delete a record"

read data

grep -v "$data" $abn >>data1.txt

cp data1.txt $abn

echo "Data deleted Successfully"

}

**report()**

{

awk -f ad.awk $abn

}

**exitf()**

{

exit

}

while [ true ]

do

echo "Enter your choice"

echo "1.Create Address book\n2.Add a record\n3.Display\n4.Search\n5.Delete\n6.Generate a report\n7.Exit"

read choice

case $choice in

1)

create

;;

2)

add

;;

3)

display

;;

4)

search

;;

5)

delete

;;

6)

report

;;

7)

exitf

;;

\*)

esac

done

**ad.awk**

BEGIN{

printf "Enter city"

getline city < "-"}

$5 == city{

print

}

END{

}

**Output:**

**Enter your choice**

**1.Create Address book**

**2.Add a record**

**3.Display**

**4.Search**

**5.Delete**

**6.Generate a report**

**7.Exit**

**1**

Enter name of Address book

dss

Address book created successfully

**2**

Enter first name

Dnyanu

Enter last name

Shinde

Enter Mobile Number

9867453252

Enter Email

d@gmail.com

Enter City

Rahuri

Enter State

Maha

Enter pincode

413705

Record Inserted Successfuly

**3**

Enter file name

dss

Dnyanu Shinde 9867453252 d@gmail.com Rahuri Maha 413705

Om Shinde 8021345675 o@gmail.com Rahuri maha 413706

pritam harde 5674839201 p@gmail.com Nagar Maha 432156

ganesh Shinde 5643216789 g@gmail.com Nagar Maha 432156

rupali shinde 6543217890 r@gmail.com Pune Maha 411033

**4**

Enter some pattern to search

Rahuri

Dnyanu Shinde 9867453252 d@gmail.com Rahuri Maha 413705

Om Shinde 8021345675 o@gmail.com Rahuri maha 413706

**5**

Enter a pattern to delete a record

Dnyanu

Data deleted Successfully

**6**

Enter cityNagar

pritam harde 5674839201 p@gmail.com Nagar Maha 432156

ganesh Shinde 5643216789 g@gmail.com Nagar Maha 432156

**7**

mml@mml-Vostro-3470:~/DSS71$