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ASSIGNMENT NO. 1
TITLE: Shell Programming

```
#!/bin/bash
while true
do
    echo "1.Create file"
    echo "2.Insert record"
    echo "3.Display record"
    echo "4.Delete record"
    echo "5.Search record"
    echo "6.Modify record"
    echo "7.Exit"
    echo "Enter choice"
    read ch
    case $ch in
    1) echo "=====
        echo "****create file****"
        echo "Enter filename"
        read fname
        if [ -e $fname ]
        then
            echo "Exist!!!"
        else
            touch $fname
            echo "file create"
        fi
        ;;
    2) echo "****Insert record****"
        echo "Enter rollno,name,address"
        read rollno
        read name
        read address
        echo "$rollno $name $address">>$fname
        ;;
    3)
        echo "*****Display*****"
        cat $fname
        ;;
    4) echo "****Delete record****"
        echo "Enter record to be deleted"
        read record
        grep -v "^$record" $fname >> new_file.txt
        cp new_file.txt $fname
        rm new_file.txt
        echo "database"
        cat $fname
        ;;
    5) echo "****Search record****"
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    echo "Enter record you want to search"
    read record
    grep -i "^$record" $fname
    if [ "$?" -eq 0 ]
    then
        echo "search success"
    else
        echo "search unsucess"
    fi
;;
6) echo "*****Modifyrecord*****"
    echo "Enter record you want to modify"
    read record
    grep -i "^$record" $fname
    grep -v "^$record" $fname >> new_file.txt
    cp new_file.txt $fname
    rm new_file.txt
    echo "enter new record"
    read nrec
    echo $nrec >> $fname
    echo "update database"
    cat $fname
;;
7) exit 0
esac
done

```

```

student@student-OptiPlex-3060:~$ clear
student@student-OptiPlex-3060:~$ bash assign1.sh
1.Create file
2.Insert record
3.Display record
4.Delete record
5.Search record
6.Modify record
7.Exit
Enter choice
1
=====
****create file****
Enter filename
aaa.txt
Exist!!!
1.Create file
2.Insert record
3.Display record
4.Delete record
5.Search record
6.Modify record
7.Exit
Enter choice
3
*****Display*****
1.Create file
2.Insert record
3.Display record
4.Delete record
5.Search record
6.Modify record
7.Exit
Enter choice
2
****Insert record****
Enter rollno,name,address
1
shweta
pune
1.Create file
2.Insert record

```

```

pune
1.Create file
2.Insert record
3.Display record
4.Delete record
5.Search record
6.Modify record
7.Exit
Enter choice
2
****Insert record****
Enter rollno,name,address
2
mahI
pune
1.Create file
2.Insert record
3.Display record
4.Delete record
5.Search record
6.Modify record
7.Exit
Enter choice
3
*****Display*****
1 shweta pune
2 mahI pune
1.Create file
2.Insert record
3.Display record
4.Delete record
5.Search record
6.Modify record
7.Exit
Enter choice
4
****Delete record****
Enter record to be deleted
2
database
1 shweta pune
1.Create file
2.Insert record

```

```

1 shweta pune
1.Create file
2.Insert record
3.Display record
4.Delete record
5.Search record
6.Modify record
7.Exit
Enter choice
5
****Search record****
Enter record you want to search
1
1 shweta pune
search success
1.Create file
2.Insert record
3.Display record
4.Delete record
5.Search record
6.Modify record
7.Exit
Enter choice
6
****Modify record****
Enter record you want to modify
1 shweta pune
1 shweta pune
enter new record
1 abc pune
update database
1 abc pune
1.Create file
2.Insert record
3.Display record
4.Delete record
5.Search record
6.Modify record
7.Exit
Enter choice
7
student@student-OptiPlex-3060:~$ gedit assign1.sh

```