

Assignment 1 OS

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code:

```
#!/bin/bash
```

```
opt=1
```

```
while [ "$opt" -lt 6 ]
```

```
do
```

```
    echo -e "Choose one of the following\n1. Create a new address Book\n2.  
View Records\n3. Insert new Records\n4. Delete a record\n5. Modify a record\  
n6. Exit"
```

```
    read opt
```

```
    case $opt in
```

```
        1)
```

```
            echo "Enter Filename:"
```

```
            read fileName
```

```
            if [ -e "$fileName" ]; then
```

```
                rm "$fileName" # Remove the file if it already exists
```

```
            fi
```

```
            cont=1
```

```
            echo -e "Name\tNumber\t\tAddress\  
n=====n"| cat >> "$fileName"
```

```
            #cont=1
```

```
            while [ "$cont" -gt 0 ]
```

```
            do
```

```
                echo -e "\nEnter Name:"
```

```
                read name
```

```
                echo "Enter the phone no of $name:"
```

```
                read number
```

```
                echo "Enter address of $name:"
```

```
                read address
```

```
                echo -e "$name\t$number\t\t$address" | cat >>
```

```
                "$fileName"
```

```
                echo "Enter 0 to stop, 1 to enter Next:"
```

```
                read cont
```

```
            done
```

```
;;
```

```

2)
    cat $fileName
    ;;

3)
    echo "\nEnter Name:"
    read name
    echo "Enter the phone no of $name:"
    read number
    echo "Enter address of $name:"
    read address
    echo "$name\t$number\t\t$address" >> "$fileName"
    ;;

4)
    echo "Delete record \n Enter name /Phone number"

    read pattern
    temp="temp"
    grep -v $pattern $fileName | cat >> $temp
    rm $fileName
    cat $temp | cat >> $fileName
    rm $temp
    ;;

5)
    echo "Modify record \n Enter name /Phone number"

    read pattern
    temp="temp"
    grep -v $pattern $fileName | cat >> $temp
    rm $fileName
    cat $temp | cat >> $fileName
    rm $temp

    echo "Enter name"
    read name
    echo "Enter Phone number of $name"
    read number
    echo "Enter Address of $name"
    read address

    echo -e "$name\t$number\t\t$address" | cat >> "$fileName"
    ;;

```

esac

done