

## Assignment 1 OS

Name: Faizan Khan

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 >> echo
```

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

```
            "$fileName"
```

```
                read cont
```

```
            done
```

```
        ;;
```

```

2)      cat $fileName ;;
        echo "\nEnter Name:"
3)      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