

Assignment 1 B

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#!/bin/sh
```

```
display()
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```
{  
    echo -n "\nEnter Name Of Database : "  
    read dbname  
  
    res=`ls | grep $dbname | wc -c`  
  
    if [ $res -gt 0 ]  
    then  
        cat $dbname  
    else  
        echo "\nFile Doesn't Exist!"  
    fi  
}
```

```
insert()
```

```
{  
    echo -n "\nEnter Name Of Database : "  
    read dbname  
  
    res=`ls | grep "$dbname" | wc -c`  
  
    if [ $res -gt 0 ]  
    then  
        echo -n "\nEnter Mobile Number : "  
        read mb  
        len=`echo -n "$mb" | wc -c`  
        if [ $len -ne 10 ]  
        then  
            echo "\nEnter Valid Mobile Number"  
        else  
            check=`cat $dbname | grep $mb | wc -c`  
        fi  
    fi  
}
```

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        if [ "$check" -gt 0 ]
        then
            echo "\nMobile Number Already Exists!"
        else
            echo -n "\nEnter Name Of Student : "
            read name
            echo -n "\nEnter Department : "
            read dept
            echo -n "\nEnter Achievement : "
            read ach

            record=`echo "$name\t$dept\t$ach\t$mb"`
            echo $record >> $dbname
            echo "\nRecord Inserted Successfully"
        fi
    fi
else
    echo "\nFile Doesn't Exist!"
fi
}

modify()
{
    echo -n "\nEnter Name Of Database : "
    read dbname

    res=`ls | grep "$dbname" | wc -c`

    if [ $res -gt 0 ]
    then
        echo -n "\nEnter Mobile Number Of The Record To Be Modified : "
        read mb
        len=`echo -n "$mb" | wc -c`
        if [ $len -ne 10 ]
        then
            echo "\nEnter Valid Mobile Number"
        else

```

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        check=`cat $dbname | grep $mb | wc -c`
        if [ "$check" -gt 0 ]
        then
            echo "\nEnter New Data"
            echo -n "\nEnter Name Of Student : "
            read name
            echo -n "\nEnter Department : "
            read dept
            echo -n "\nEnter Achievement : "
            read ach

            new=`echo $name $dept $ach $mb`
            old=`cat $dbname | grep $mb`
            sed -i s/"$old"/"$new"/g $dbname
            echo "\nRecord Modified Successfully"
        else
            echo "\nRecord Doesn't Exist"
        fi
    fi
else
    echo "\nFile Doesn't Exist!"
fi
}

delete()
{
    echo -n "\nEnter Name Of Database : "
    read dbname

    res=`ls | grep "$dbname" | wc -c`

    if [ $res -gt 0 ]
    then
        echo -n "\nEnter Mobile Number Of The Record To Be Deleted : "
        read mb
        len=`echo -n "$mb" | wc -c`
        if [ $len -ne 10 ]
    
```

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        then
            echo "\nEnter Valid Mobile Number"
        else
            check=`cat $dbname | grep $mb | wc -c`
            if [ "$check" -gt 0 ]
            then
                old=`cat $dbname | grep $mb`
                sed -i s/"$old"/g $dbname
                sed -i '/^$/d' $dbname
                echo "\nRecord Deleted Successfully"
            else
                echo "\nRecord Doesn't Exist"
            fi
        fi
    else
        echo "\nFile Doesn't Exist!"
    fi
}

create()
{
    echo -n "\nEnter Name Of Database : "
    read dbname

    res=`ls | grep "$dbname" | wc -c`

    if [ $res -gt 0 ]
    then
        echo "\nError! File Already Exists"
    else
        touch $dbname
        echo "\nFile Created Successfully!"
    fi
}

```

```
while [ true ]
do
    echo "\n*****MENU*****"
    echo "1. Create Database"
    echo "2. Insert Data"
    echo "3. Display Data"
    echo "4. Modify Data"
    echo "5. Delete Data"
    echo "6. Exit\n"

    echo -n "Enter Your Choice : "
    read choice

    case $choice in
        1) create ;;

        2) insert ;;

        3) display ;;

        4) modify ;;

        5) delete ;;

        6) echo " "
            exit ;;

        *) echo "Enter Valid Choice!\n" ;;
    esac
done
```