

```
#!/usr/local/bin/bash
```

```
filename=AttendanceRecord.txt
```

```
create() {

    read -p "Enter File Name: " filename
    echo
    if test -f $filename
    then
        echo $filename Exists!
        echo
        cat $filename
        echo =====
        echo -n Word Count:
        wc -w $filename
        echo "=====
    else
        echo Creating a new file!
        touch $filename
        echo "===== >>$filename
        echo "      Attendance Record      " >>$filename
        echo "===== >>$filename
        echo -e "Roll No \t Name \t Class \t Attendance"
    >>$filename
        echo "===== >>$filename
        echo -n Word Count:
        wc -w $filename
        echo "=====
    fi
}

insert() {

    read -p "Roll No   : " rollno
    if grep -q $rollno $filename #checking of rollno already
exists
    then
        echo Record Already Exists
        echo "=====
    else
        read -p "Name       : " name
        read -p "Class      : " class
        read -p "Attendance: " attendance
        echo -e "$rollno \t $name \t $class \t $attendance" >>
$filename
        echo "=====
    fi
}
```

```

}

update() {

    read -p "Roll no: " rollno
    val=$(grep -i $rollno $filename) #array variable to store
the line
    if grep -q $rollno $filename #checking if pattern exists:
pattern=rollno
    then
        echo Record Found:
        echo ${val[*]}
        read -p "New Attendance: " val[3] #3rd location contains
attendance, editing the attendance
        sed -in "$rollno/d" $filename #deleting the line
        echo ${val[*]} >> $filename #appending the updated
attendance
        cat $filename
    else
        echo Record Not Found!
    fi
}

delete() {

    read -p "Roll no: " rollno
    val=$(grep -i $rollno $filename) #array variable to store
the line
    if grep -q $rollno $filename #checking if pattern exists:
pattern=rollno
    then
        echo Deleting Record:
        echo ${val[*]}
        sed -in "$rollno/d" $filename #deleting the line
        cat $filename
    else
        echo Record Not Found!
    fi
}

echo
echo Select Correct Option:
echo
echo 1. Create a new Database
echo 2. Add a new Attendance Record
echo 3. Update an Attendance
echo 4. Delete an Attendance Record
echo 5. Display Attendance Record

```

```

echo 6. Exit
echo =====
read -p "Enter Choice: " ch
echo =====

while [ $ch -ne 6 ]
do
    case $ch in
        1 )
            create
            ;;
        2 )
            insert
            ;;
        3 )
            update
            ;;
        4 )
            delete
            ;;
        5 )
            cat $filename
            ;;
        * )
            echo Wrong Choice! Select Correct Option
            ;;
    esac

    echo
    echo Select Correct Option
    echo
    echo 1. Create a new Database
    echo 2. Add a new Attendance Record
    echo 3. Update an Attendance
    echo 4. Delete an Attendance Record
    echo 5. Display Attendance Record
    echo 6. Exit
    echo =====
    read -p "Enter Choice: " ch
    echo =====
done

```

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Select Correct Option:

1. Create a new Database
2. Add a new Attendance Record
3. Update an Attendance
4. Delete an Attendance Record
5. Display Attendance Record
6. Exit

Enter Choice: 1

Enter File Name: AttendanceRecord.txt

AttendanceRecord.txt Exists!

Attendance Record

| Roll No | Name | Class | Attendance |
|---------|-----------|-------|------------|
| 33255 | Shreyas | TE10 | 98 |
| 33257 | Sushant | TE10 | 90 |
| 33256 | Someshwar | TE10 | 98 |
| 33259 | Tanmay | TE10 | 92 |
| 33262 | Yash | TE10 | 88 |
| 33258 | Venkatesh | TE10 | 89 |

Word Count: 34 AttendanceRecord.txt

Select Correct Option

1. Create a new Database
2. Add a new Attendance Record
3. Update an Attendance
4. Delete an Attendance Record
5. Display Attendance Record
6. Exit

Enter Choice: 2

Roll No : 33259

Record Already Exists

Select Correct Option

1. Create a new Database
2. Add a new Attendance Record
3. Update an Attendance

4. Delete an Attendance Record
5. Display Attendance Record
6. Exit

=====

Enter Choice: 2

=====

Roll No : 33250
Name : Saloni
Class : TE10
Attendance: 99

=====

Select Correct Option

1. Create a new Database
2. Add a new Attendance Record
3. Update an Attendance
4. Delete an Attendance Record
5. Display Attendance Record
6. Exit

=====

Enter Choice: 5

=====

=====

Attendance Record

=====

| Roll No | Name | Class | Attendance |
|---------|-----------|-------|------------|
| 33255 | Shreyas | TE10 | 98 |
| 33257 | Sushant | TE10 | 90 |
| 33256 | Someshwar | TE10 | 98 |
| 33259 | Tanmay | TE10 | 92 |
| 33262 | Yash | TE10 | 88 |
| 33258 | Venkatesh | TE10 | 89 |
| 33250 | Saloni | TE10 | 99 |

Select Correct Option

1. Create a new Database
2. Add a new Attendance Record
3. Update an Attendance
4. Delete an Attendance Record
5. Display Attendance Record
6. Exit

=====

Enter Choice: 3

=====

Roll no: 33256
Record Found:
33256 Someshwar TE10 98
New Attendance: 88

=====

Attendance Record

| Roll No | Name | Class | Attendance |
|---------|-----------|-------|------------|
| 33255 | Shreyas | TE10 | 98 |
| 33257 | Sushant | TE10 | 90 |
| 33259 | Tanmay | TE10 | 92 |
| 33262 | Yash | TE10 | 88 |
| 33258 | Venkatesh | TE10 | 89 |
| 33250 | Saloni | TE10 | 99 |
| 33256 | Someshwar | TE10 | 88 |

Select Correct Option

1. Create a new Database
2. Add a new Attendance Record
3. Update an Attendance
4. Delete an Attendance Record
5. Display Attendance Record
6. Exit

Enter Choice: 5

Attendance Record

| Roll No | Name | Class | Attendance |
|---------|-----------|-------|------------|
| 33255 | Shreyas | TE10 | 98 |
| 33257 | Sushant | TE10 | 90 |
| 33259 | Tanmay | TE10 | 92 |
| 33262 | Yash | TE10 | 88 |
| 33258 | Venkatesh | TE10 | 89 |
| 33250 | Saloni | TE10 | 99 |
| 33256 | Someshwar | TE10 | 88 |

Select Correct Option

1. Create a new Database
2. Add a new Attendance Record
3. Update an Attendance
4. Delete an Attendance Record
5. Display Attendance Record
6. Exit

Enter Choice: 4

Roll no: 33259

Deleting Record:

33259 Tanmay TE10 92

Attendance Record

```

=====
Roll No      Name      Class      Attendance
=====
33255        Shreyas   TE10  98
33257        Sushant   TE10  90
33262        Yash TE10  88
33258        Venkatesh TE10  89
33250        Saloni    TE10  99
33256 Someshwar TE10  88

```

Select Correct Option

1. Create a new Database
2. Add a new Attendance Record
3. Update an Attendance
4. Delete an Attendance Record
5. Display Attendance Record
6. Exit

```

=====
Enter Choice: 5
=====
=====

```

Attendance Record

```

=====
Roll No      Name      Class      Attendance
=====
33255        Shreyas   TE10  98
33257        Sushant   TE10  90
33262        Yash TE10  88
33258        Venkatesh TE10  89
33250        Saloni    TE10  99
33256 Someshwar TE10  88

```

Select Correct Option

1. Create a new Database
2. Add a new Attendance Record
3. Update an Attendance
4. Delete an Attendance Record
5. Display Attendance Record
6. Exit

```

=====
Enter Choice: 6
=====

```

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