

```

create ()
{
echo "enter database name which you want to be create";
read db;
touch $db;
echo "database successfully created";
}
insert ()
{
echo "insert a database";
if [ -z $db ]
then
echo "database does not exists please create database first";
create;
else
echo "how many records you want to insert";
read no;
for(( i=0; i<no; i++ ))
do
echo "enter roll no";
read rno;
srno=`grep "^$rno" "$db"`;
if [ -z $srno ]
then
echo "enter name :- ";
read name;
echo "subject 1 marks";
read sub1;
echo "subject 2 marks";
read sub2;
echo "subject 3 marks";
read sub3;
avg=$((($sub1+$sub2+$sub3)/3));
echo "average : $avg";
record=$rno:"$name":"$sub1":"$sub2":"$sub3":"$avg";
echo $record >> "$db";
echo "you entered record successfully";
else
echo "record already exist";
fi
done
fi
}
delete ()
{
echo "you can delete any record from the database which is not required";
echo "please enter the roll no of record you want to delete";
read rno;
recrd=`grep "^$rno" "$db"`;
if [ -z $recrd ]

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then
echo "the record of the given roll no is not found in the database";
echo "please try with another roll no";
delete;
else
recrd1=`grep -v "^$rno" "$db"`;
echo "$recrd1" > temp.txt ;
mv temp.txt "$db";
echo "you have delete the record";
echo "";
echo "$recrd";
echo "";
echo "record deleted successfully";
fi
}
display ()
{
echo "display all records from the given database";
echo "";
echo "*****";
cat $db;
echo "*****";
echo "";
}
modify ()
{
echo " you can modify any record from the given database";
echo "enter the roll no of the record you want to modify";
read rno;
recrd2=`grep "^$rno" "$db"`;
if [ -z $recrd2 ]
then
echo "the record of the given roll no is not found in the database";
echo "please enter the correct roll no";
modify
else
recrd1=`grep -v "^$rno" "$db"`;
echo "$recrd1" > temp.txt ;
mv temp.txt "$db";
echo "enter the new roll no of student";
read rno;
echo "enter the correct name of student";
read name;
echo "enter sub 1 corrected marks";
read sub1;
echo "enter sub 2 corrected marks";
read sub2;
echo "enter sub 3 corrected marks";
read sub3;
avd=$((($sub1+$sub2+$sub3)/3));
echo "avreage : $avg";
record="$rno";"$name": "$sub1": "$sub2": "$sub3": "$avg";
echo $record >> "$db";
echo "record modified successfully";
echo "modified record is";
echo "";
echo "$record";
echo "";
}

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fi
}
search()
{
echo "you can search any specific record from the database";
echo "enter the roll no of the record you want to search";
read rno;
recrd=`grep "^$rno" "$db"`;
if [ -z $recrd ]
then
echo "the record of the given roll no is not found in the database";
echo "please try another roll no";
search;
else
echo "record of the given roll no is";
echo "";
echo "*****";
echo "$recrd";
echo "*****";
echo "";
fi
}
clear
while true
do
echo "enter choice :-
1)create
2)insert
3)delete
4)display
5)modify
6)search
7)any key for exit.....";

read ch;
case $ch in
1) create;
;;
2) insert;
;;
3) delete;
;;
4) display;
;;
5) modify;
;;
6) search;
;;
*) echo "wrong choice curent status exit ";
exit;
esac;
done

```

OUTPUT:-[root@localhost ~]# ls

abhi45

anaconda-ks.cfg

bitnami-owncloud-6.0.3-0-module-linux-x64-installer.run

Pictures

Public

sandip

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bitnami-owncloud-6.0.3-0-module-linux-x64-installer.run.part  shell_1.sh
Desktop                                                         shell_1.sh~
Documents                                                        Templates
Downloads                                                        Videos
Music
[root@localhost ~]# cd Documents
[root@localhost Documents]# ls
Sandesh shinde OS 557  Sandesh shinde OS 557~  abhi45
omkarIT22[root@localhost Documents]# mkdir abhi45
mkdir: cannot create directory 'abhi45': File exists
[root@localhost Documents]# cd abhi45
[root@localhost abhi45]# ls
abc    hfd          shell_11.sh  shell_1.sh~  shell_5.sh  shell_8.sh~
ty
ac     hguhu        shell_11.sh~ shell_2.sh   shell_5.sh~ shell_9.sh
wr
ew     huhfduh      shell_12.sh  shell_2.sh~  shell_6.sh  shell_9.sh~
xyz
f      rd          shell_12.sh~ shell_3.sh   shell_6.sh~ Student
z
fuh    sd          shell_13.sh  shell_3.sh~  shell_7.sh  te
gf     shell_10.sh  shell_13.sh~ shell_4.sh   shell_7.sh~ TEIT
hegf   shell_10.sh~ shell_1.sh   shell_4.sh~  shell_8.sh  tr
[root@localhost abhi45]# clear
[] [3;J
[root@localhost abhi45]# sh shell_13.sh
[] [3;J
enter choice :-
1)create
2)insert
3)delete
4)display
5)modify
6)search
7)any key for exit.....
1
enter database name which you want to be create
TEIT
database successfully created
enter choice :-
1)create
2)insert
3)delete
4)display
5)modify
6)search
7)any key for exit.....
2
insert a database
how many records you want to insert
3
enter roll no
501
enter name :-
ram
subject 1 marks
90
subject 2 marks

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96
subject 3 marks
95
average : 93
you enterd record sucessfully
enter roll no
502
enter name :-
shyam
subject 1 marks
99
subject 2 marks
95
subject 3 marks
96
average : 96
you enterd record sucessfully
enter roll no
503
enter name :-
rahul
subject 1 marks
97
subject 2 marks
96
subject 3 marks
94
average : 95
you enterd record sucessfully
enter choice :-
1)create
2)insert
3)delete
4)display
5)modify
6)search
7)any key for exit.....
4
display all records from the given database

*****
102:ROHIT:98:96:97:97
104:shivansh:90:94:92:92
105:ganesh:96:88:90:91
101:SANDESH:88:92:95:91
501:ram:90:96:95:93
502:shyam:99:95:96:96
503:rahul:97:96:94:95
*****

enter choice :-
1)create
2)insert
3)delete
4)display
5)modify
6)search
7)any key for exit.....

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6
you can search any specific record from the database
enter the roll no of the record you want to search
102
record of the given roll no is

*****
102:ROHIT:98:96:97:97
*****

enter choice :-
1)create
2)insert
3)delete
4)display
5)modify
6)search
7)any key for exit.....
3
you can delete any record from the database which is not required
please enter the roll no of record you want to delete
101
you have delete the record

101:SANDESH:88:92:95:91

record deleted successfully
enter choice :-
1)create
2)insert
3)delete
4)display
5)modify
6)search
7)any key for exit.....
4
display all records from the given database

*****
102:ROHIT:98:96:97:97
104:shivansh:90:94:92:92
105:ganesh:96:88:90:91
501:ram:90:96:95:93
502:shyam:99:95:96:96
503:rahul:97:96:94:95
*****

enter choice :-
1)create
2)insert
3)delete
4)display
5)modify
6)search
7)any key for exit.....
5
you can modify any record from the given database
enter the roll no of the record you want to modify

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501
enter the new roll no of student
504
enter the correct name of student
mahesh
enter sub 1 corrected marks
95
enter sub 2 corrected marks
96
enter sub 3 corrected marks
97
avreage : 95
record modified successfully
modified record is

504;mahesh:95:96:97:95

enter choice :-
1)create
2)insert
3)delete
4)display
5)modify
6)search
7)any key for exit.....
4
display all records from the given database

*****
102:ROHIT:98:96:97:97
104:shivansh:90:94:92:92
105:ganesh:96:88:90:91
502:shyam:99:95:96:96
503:rahul:97:96:94:95
504;mahesh:95:96:97:95
*****

enter choice :-
1)create
2)insert
3)delete
4)display
5)modify
6)search
7)any key for exit.....

[root@localhost sandesh]# exit

```

