LAB ASSIGNMENT NO-1

Name – Krishnaprasad Awala

Enrollment no – MITU21BTITD006

Roll no – D2215004

Code🡪

clear

 echo "1. create database "

 echo "2. view database "

 echo "3. insert a record "

 echo "4. delete record "

 echo "5. modify a record "

 echo "6. result of particular student "

 echo "7. exit"

 echo " enter ur choice "

 read d

 case $d in

 1)

    echo " enter rollnumber of student "

   read rn

   echo " enter name of student "

   read nm

   echo " enter marks sanskrit "

   read sk

   echo " enter marks english "

   read eg

   echo " enter marks hindi "

   read hn

   record="$rn $nm $sk $eg $hn "

   echo $record>stud

   ;;

 2) echo " showing database of student"

   cat stud ;;

 3)

   echo " enter rollnumber of student "

   read rn

   echo " enter name of student "

   read nm

   echo " enter marks sanskrit "

   read sk

   echo " enter marks english "

   read eg

   echo " enter marks hindi "

   read hn

   record="$rn $nm $sk $eg $hn "

   echo $record>>stud

    ;;

 4) echo " enter roll number "

   read rn

   grep ^$rn stud

   if [ $? -ne 0 ]; then

   echo "record for roll number does not exist "

   else

   grep -v $rn stud>>tmp

   cp tmp stud

   echo "deletion complete "

   fi

   ;;

 5) echo " enter roll number "

   read rn1

   grep ^$rn stud

   if [ $? -ne 0 ]; then

   echo "record for roll number does not exist "

   else

   echo " enter roll number "

   read rn

   echo " enter name of student "

   read nm

   echo " enter marks sanskrit "

   read sk

   echo " enter marks english "

   read eg

   echo " enter marks hindi "

   read hn

   record="$rn $nm $sk $eg $hn "

   var=`grep -n ^$rn1 stud | cut -c 1`   echo $var

   var1=`expr $var - 1`

   head -$var1 stud>temp

   echo $record>>temp

   var3=`wc -l < stud`

   var2=`expr $var3 - $var `

   tail -$var2 stud>>temp

   cp temp stud

    fi

 ;;

 6) echo " enter roll number "

   read rn

   echo "printing result "

   grep ^$rn stud

 ;;

 7) ;;

 \* ) echo "enter right choice"

 Esac

Output🡪

1)CREATE RECORD-

mitsoe@mitsoe-OptiPlex-7060:~$ bash stud\_database.sh

1. create database
2. view database
3. insert a record
4. delete record
5. modify a record
6. result of particular student
7. exit

 Enter ur choice

1

 Enter Enrollment number of student

MIT002

 Enter name of student Varun

 Enter marks Operating system

3

 Enter marks Information technology

8

 Enter marks Artificial intelligence

1

2)VIEW RECORD-

mitsoe@mitsoe-OptiPlex-1080:~$ bash stud\_database.sh

1. create database
2. view database
3. insert a record
4. delete record
5. modify a record
6. result of particular student
7. exit

 Enter ur choice

2

 showing database of student

MIT070 Varun 3 8 1

3)INSERT RECORD-

mitsoe@mitsoe-OptiPlex-1080:~$ bash stud\_database.sh

1. create database
2. view database
3. insert a record
4. delete record
5. modify a record
6. result of particular student
7. exit

 Enter ur choice

3

 Enter Enrollment number of student

MIT0080

 Enter name of student

Aman

 Enter marks Operating system

9

 Enter marks Information technology

8

 Enter marks Artificial intelligence

10

4)DELETE RECORD-

mitsoe@mitsoe-OptiPlex-1080:~$ bash stud\_database.sh

1. create database
2. view database
3. insert a record
4. delete record
5. modify a record
6. result of particular student
7. exit

 Enter ur choice

4

 Enter Enrollment number

MIT0080

MIT0080 Aman 9 8 10 Deletion complete mitsoe@mitsoe-OptiPlex-1080:~$ bash stud\_database.sh

1. create database
2. view database
3. insert a record
4. delete record
5. modify a record
6. result of particular student
7. exit

 Enter ur choice

3

 Enter Enrollment number of student

MIT007

 Enter name of student Varun

 Enter marks Operating system

50

 Enter marks Information technology

70

 Enter marks Artificial intelligence

90

mitsoe@mitsoe-OptiPlex-1080:~$ bash stud\_database.sh

1. create database
2. view database
3. insert a record
4. delete record
5. modify a record
6. result of particular student
7. exit

 Enter ur choice

4

 Enter Enrollment number

MIT007 Varun 50 70 90

Deletion complete

mitsoe@mitsoe-OptiPlex-1080:~$ bash stud\_database.sh

1. create database
2. view database
3. insert a record
4. delete record
5. modify a record
6. result of particular student
7. exit

 Enter ur choice

2

 showing database of student MIT007 Varun 99 89 100

5)MODIFY RECORD-

mitsoe@mitsoe-OptiPlex-1080:~$ bash stud\_database.sh

1. create database
2. view database
3. insert a record
4. delete record
5. modify a record
6. result of particular student
7. exit

 Enter ur choice

5

 Enter Enrollment number

MIT008 Varun 99 89

Enter Enrollment number

MIT0070

 Enter name of student Varun Gaddam

 Enter marks Operating system

9

 Enter marks Information Technology

8

 Enter marks Artificial Intelligence

10

1

6)RESULT OF PARTICULAR STUDENT-

mitsoe@mitsoe-OptiPlex-1080:~$ bash stud\_database.sh

1. create database
2. view database
3. insert a record
4. delete record
5. modify a record
6. result of particular student
7. exit

 Enter ur choice

6

 Enter Enrollment number MIT0031

printing result

MIT0031 Karan 9 8 10

mitsoe@mitsoe-OptiPlex-1080:~$ bash stud\_database.sh

1. create database
2. view database
3. insert a record
4. delete record
5. modify a record
6. result of particular student
7. exit

 Enter ur choice

2

 showing database of student

MIT0031 Karan 9 8 10

7)EXIT-

mitsoe@mitsoe-OptiPlex-1080:~$ bash stud\_database.sh

1. create database
2. view database
3. insert a record
4. delete record
5. modify a record
6. result of particular student
7. exit

 Enter ur choice

7