

```

filename="nofound"
echo "Creation of Database :"
while [[ $op -lt 6 ]]
do
    echo -e "\nenter the option"
    echo "1 for create"
    echo "2 for view"
    echo "3 for add"
    echo "4 for delete"
    echo "5 for modify"
    echo "6 for exit"
    echo "enter your choice"
    read op
word="$op"
case "$word" in

1)
    echo "Enter file name "
    read filename
    while [ -e $filename ] ;
    do
        echo -e "\n\tFile is already exists !!"
        echo -e "Do u want to overwrite ? (y/n) :"
        read ch
        if [ $ch == "y" ];then
            break
        else
            echo -e "\n\tRe-enter file name :"
            read filename
        fi
    done

    touch $filename
    echo -e "\t\t$filename is created successfully :) !!"
    echo > $filename

;;

2)
    if [ $filename == "nofound" ]
    then
        echo -e "\t\tERROR :File not found :( "
        else
        echo -e "Name\tRoll no."
        cat $filename
        fi

;;

3)
    if [ $filename == "nofound" ]
    then
        echo -e "\t\tERROR :File not found :( "
        else
        echo "Enter record : (Enter ctrl-d for saving)"
        echo -e "Name\t\tRoll no."
        cat >> $filename
        fi

```

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        echo -e "\t\tRecord(s) saved successfully :) !!"
;;

4)
    if [ $filename == "nofound" ]
    then
        echo -e "\t\tERROR :File not found :( "
        else
        echo -e "Enter Roll no of record that do you want to
delete : "
        read roll

        if grep -q "$roll" $filename ;
        then
            touch filename2
            grep -v "$roll" $filename > filename2
            cp filename2 $filename
            rm filename2
        else
            echo -e "\t\tRecord is absent :( !!"
        fi
    fi
    echo -e "\t\tRecord is deleted successfully :) !!"
;;

5)
    if [ "$op" == "5" ]
    then
        echo "enter name of database:"
        read db
        echo "enter roll:"
        read name

        for line in `grep -n "$name" "$db`
        do
            number=`echo "$line" | cut -c1`

            if [ "$number" == "$name" ]
            then
                echo "what would u like to change"
                echo "\"name roll\""
                read edit
                linechange="${name}s"
                sed -i -e "$linechange/./$/edit/" $db
                echo record edited
            fi
        done
    fi
;;

6)
    echo "bye"
;;

esac
done

```