**Ganpat University**

**(2CSE204) Basics of Operating System and Shell Scripting**

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**Sem - 2**

**Branch: CS**

**Class: B**

**Batch: 25**

**Practical-14**

1. Set Write a script to make following file and directory management operations menu based:

RollNumber,StudentName,LA,BOSS,BCS

1. List all the details of all students.
2. Add a new student with following details:

RollNumber: last 4 digits of your roll number

StudentName: yourname

LA: Marks in LA subject

BOSS: Marks in BOSS subject

BCS: Marks in BCS subject

1. Update all 70 marks to a new value 81.

**┌──(jaimin㉿kali)-[~/BOSS]**

**└─$ cat practical\_14.sh**

db\_file="marks\_database.txt"

list\_students() {

    echo "RollNumber | StudentName | LA | BOSS | BCS"

    echo "-----------------------------------------"

    cat "$db\_file"

    echo "-----------------------------------------"

}

add\_student() {

    echo "Enter RollNumber (last 4 digits of your roll number): "

    read roll\_number

    echo "Enter StudentName: "

    read student\_name

    echo "Enter LA Marks: "

    read la\_marks

    echo "Enter BOSS Marks: "

    read boss\_marks

    echo "Enter BCS Marks: "

    read bcs\_marks

    echo "$roll\_number | $student\_name | $la\_marks | $boss\_marks | $bcs\_marks" >> "$db\_file"

    echo "Student added successfully!"

}

update\_marks() {

    echo "Enter the marks to replace: "

    read old\_marks

    echo "Enter the new value for marks: "

    read new\_marks

    sed -i "s/$old\_marks/$new\_marks/g" "$db\_file"

    echo "Marks updated successfully"

}

while true; do

    echo "1. List all students"

    echo "2. Add a new student"

    echo "3. Update marks to a new value"

    echo "4. Exit"

    read -p "Select an option: " choice

    case $choice in

        1) list\_students;;

        2) add\_student;;

        3) update\_marks;;

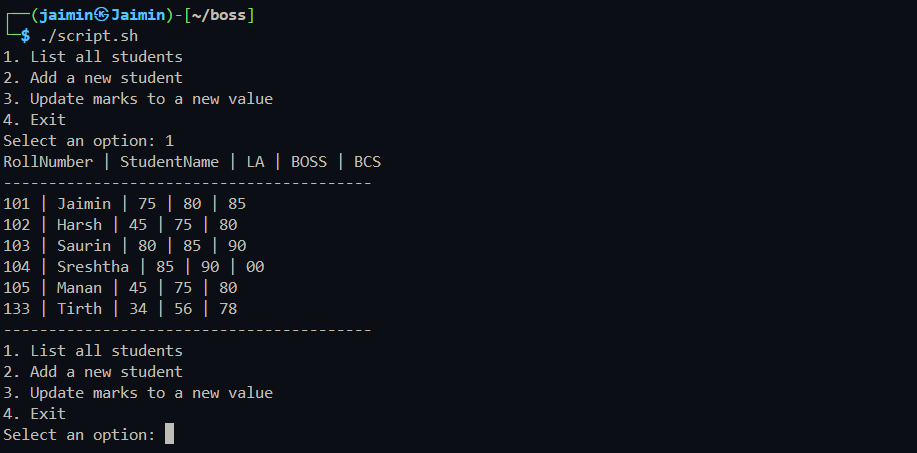
        4) break;;

        \*) echo "Invalid option";;

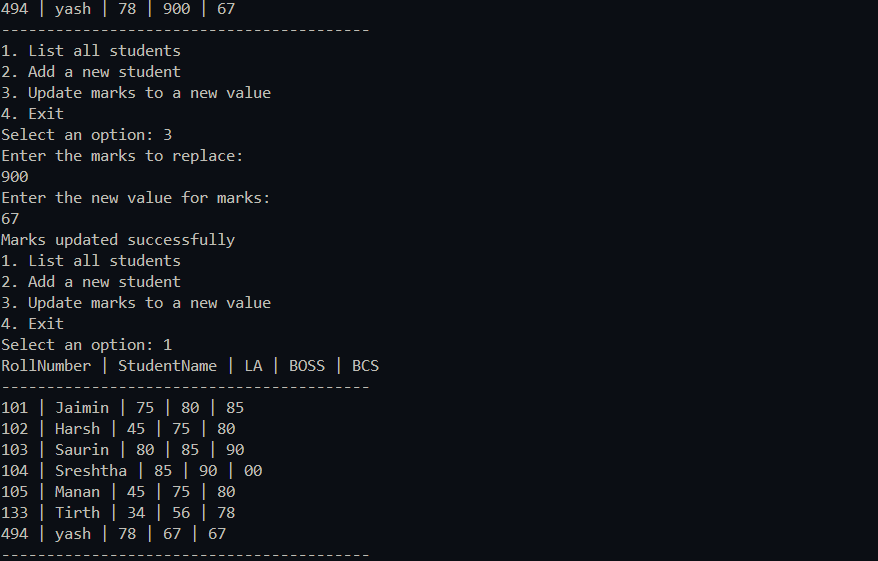
    esac

done

**Output –**

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