THADOMAL SHAHANI
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ENGINEERING COLLEGE

ATHARVA YADAV
ROLL NO : 127
BATCH : S23

UNIX LAB ASSG NO. 8A AND 8B

AIM: Advanced Shell Programming

8.A: Input roll number and display the table of the roll number upto 12 multiple.

CODE:

```
#!/bin/bash

n=127

i=1

while [ $i -le 12 ]
do
   echo "$n x $i = $((n * i))"
   ((i++))
done
```

OUTPUT:

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop/S23_127$ chmod +x RollNoTable.sh
lab1003@lab1003-HP-280-G2-MT:~/Desktop/S23_127$ ./RollNoTable.sh
127 x 1 = 127
127 x 2 = 254
127 x 3 = 381
127 x 4 = 508
127 x 5 = 635
127 x 6 = 762
127 x 7 = 889
127 x 8 = 1016
127 x 9 = 1143
127 x 10 = 1270
127 x 11 = 1397
127 x 12 = 1524
Atharva Yadav s23-127
```

8.B: Take fname and lname as input from cmd line and create, complie, execute a c file

The program should display “(fname) welcomes you in (lname) recidency”

CODE:

```
#!/bin/bash

# Check if two arguments are provided
if [ $# -ne 2 ]; then
    echo "Usage: $0 <first_name> <surname>"
    exit 1
fi

first_name="$1"
surname="$2"

# Create the C file
echo "#include <stdio.h>

int main() {
    printf(\"%s welcomes you to %s residence.\\n\", \"$first_name\", \"$surname\");
    return 0;
}" > first.c

# Compile the C file
gcc -o first first.c

# Execute the compiled program
./first

# Clean up intermediate files
rm -f first.c first
```

OUTPUT:

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop/S23_127$ ./Name.sh Atharva Yadav
Atharva welcomes you to Yadav residence.
lab1003@lab1003-HP-280-G2-MT:~/Desktop/S23_127$
```