**1: Shell script to generate the specified output:**

#!/bin/bash

for ((i = 1; i <= 4; i++)); do

for ((j = 1; j <= i; j++)); do

echo -n "\*"

done

echo

done

**Output Snip:**

**2. Shell script to greet a person using their full name:**

#!/bin/bash

read -p "Enter your first name: " fname

read -p "Enter your middle name: " mname

read -p "Enter your last name: " lname

full\_name="$fname $mname $lname"

echo "Hello, $full\_name! Welcome!"

**Output Snip:**

**5. Shell script to check weight for MBT health club membership:**

#!/bin/bash

read -p "Enter your weight in Kgs: " weight

if ((weight >= 30 && weight <= 250)); then

echo "Congratulations! You are accepted as a member of MBT health club."

else

echo "Sorry, your weight is not within the acceptable range for membership."

fi

**Output Snip:**

**6. Shell script to greet the user based on system time:**

#!/bin/bash

current\_hour=$(date +%H)

if ((current\_hour >= 0 && current\_hour < 12)); then

echo "Good morning! Have a great day."

elif ((current\_hour >= 12 && current\_hour < 18)); then

echo "Good afternoon! How's your day going?"

else

echo "Good evening! Hope you had a wonderful day."

fi

**Output Snip:**