AYUSH RAWAT MCA (1st Sem) B STD-ID 22391138

**PROBLEM STATEMENT:**

Write a BASH shell script to display all prime numbers in between 1 to  
N. The value of N is taken as input from the user.

**OBJECTIVE:**

To display all prime numbers in between 1 to user entered number.

**SHELL SCRIPT:**

echo "Shell script to display all prime numbers in between 1 to user entered number."

echo "Enter a positive integer: "

read n

echo "The prime numbers between 1 and $n are as follows: "

for ((num = 2; num <= n; num++)); do

let prime=1

for ((i = 2; i <= num / 2; i++)); do

if [[ $(($num % $i)) -eq 0 ]]; then

prime=0

break

fi

done

if [[ $prime -eq 1 ]]; then

echo $num

fi

done