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| **Program No**: **06 Date:13/07/2021**  **TO PRINT ALL PRIME NUMBERS**  **IN GIVEN RANGE**  **AIM :** To write a program to print all the prime numbers of a given range  **ALGORITHM:**    1.Start  2. Get the lower and upper range from the user  3. Check whether the lower number is greater than or equal to 2. If true go to  Step 4 else print Enter lower number must be greater than 1.  4. Traverse through the elements in the given range and check whether the  Number is divisible by any other number If that Number is not Divisible by any other number print It.  5. Stop  **PROGRAM:**   |  | | --- | | **/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***  **Title : Prime Number in a given Range**  **Author : Deepak M S**  **Date : 13/07/2021**  **Aim : To write Program for printing Prime Number in a given Range**  **\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**  **#include<stdio.h>**  **int main ()**  **{**  **int i, prime, up, low, n;**  **printf ("ENTER THE LOWER LIMIT : ");**  **scanf ("%d", &low);**  **printf ("ENTER THE UPPER LIMIT : ");**  **scanf ("%d", &up);**  **if(low>=2)**  **{**  **printf ("PRIME NUMBERS ARE : ");**  **for (n = low ; n <= up; n++)**  **{**  **prime = 1;**  **for (i = 2; i <= n/2; i++){**  **if (n % i == 0)**  **{**  **prime = 0;**  **break;**  **}**  **}**  **if (prime==1)**  **printf ("\t %d", n);**  **}**  **}**  **else**  **{**  **printf("Enter lower number must be greater than 1");**  **}**  **}** |   **OUTPUT:**    **RESULT:**  Program run successfully and able to get the correct output |