Question no : 10.4

Date : 24-11 -2024

Question : Check the given number is prime or not using a function. It should return 1 if it is prime otherwise 0

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Author : Amal Biju

Roll no : 5

Semester : 1

Programme : BSC(DA)

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#include <stdio.h>

int is\_prime(int n)

{

if (n <= 1)

{

return 0;

}

int i;

for ( i = 2; i \* i <= n; i++)

{

if (n % i == 0)

{

return 0;

}

}

return 1;

}

int main()

{

int num;

printf("Enter a number: ");

scanf("%d", &num);

if (is\_prime(num))

{

printf("%d is a prime number.\n", num);

} else

{

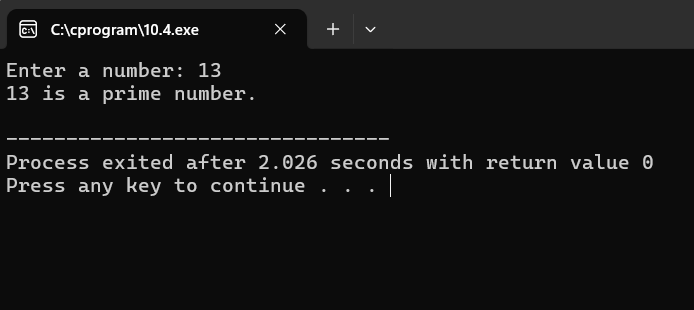
printf("%d is not a prime number.\n", num);

}

return 0;

}

**Output**

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