

C programming29 for loop

yug ribadiya

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1 Check whether a given number is prime number or not

```
#include <stdio.h>

int main() {
    int num, i, flag = 1;
    printf("Enter a number: ");
    scanf("%d", &num);

    if (num <= 1) flag = 0;
    for (i = 2; i <= num / 2; i++) {
        if (num % i == 0) {
            flag = 0;
            break;
        }
    }

    if (flag)
        printf("Prime number\n");
    else
        printf("Not a prime number\n");
    return 0;
}
```

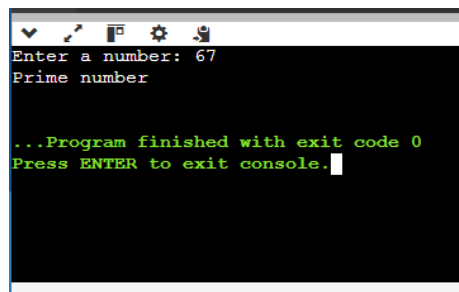


Figure 1: Enter Caption