Q. WRITE A PROGRAM TO CHECK IF A WRITTEN NUMBER IS PRIME OR NOT WITH NO. OF ITERATIONS.

A. #include<stdio.h>

int main()

{

int no,d,fac;

fac=0;

printf("Enter a number:");

scanf("%d",&no);

for(d=1;d<=no;d++)

{

if(no%d==0)

{

fac++;

}

}

printf("The no. of iterations are:%d\n",d);

printf("The no. of factors are:%d\n",fac);

if(fac<=2)

printf("%d is a prime number...",no);

else

if(fac>2)

printf("%d is not a prime number...",no);

return 0;

}

OUTPUT:



