lab 3

date:24/09/2025

// 27. PROGRAM TO CHECK WHETHER A NO IS PRIME OR NOT.

```
#include <stdio.h>

int main()
{
   int a, b, c = 0;
   printf("enter a number=");
   scanf("%d", &a);
   if (a == 0 || a == 1)
   {
      printf("not prime");
   }
   else if (a < 0)
   {
      printf("not defined for negative numbers");
   }
   else
   {

      for (b = 2; b < a; b++)
      {
         if (a % b== 0)
         {
            c = 1;
         }
      }
```

```
        if (c == 1)
        {
            printf("given number %d is not prime", a);
        }
        else
        {   printf("given number %d is prime", a);
        }
    }
    return 0;
}
```