

LAB-1

13. PROGRAM TO CHECK WHETHER A NO. IS EVEN OR ODD.

```
#include<stdio.h>

int main()
{   int a;

    printf("enter a number A=");

    scanf("%d",&a);

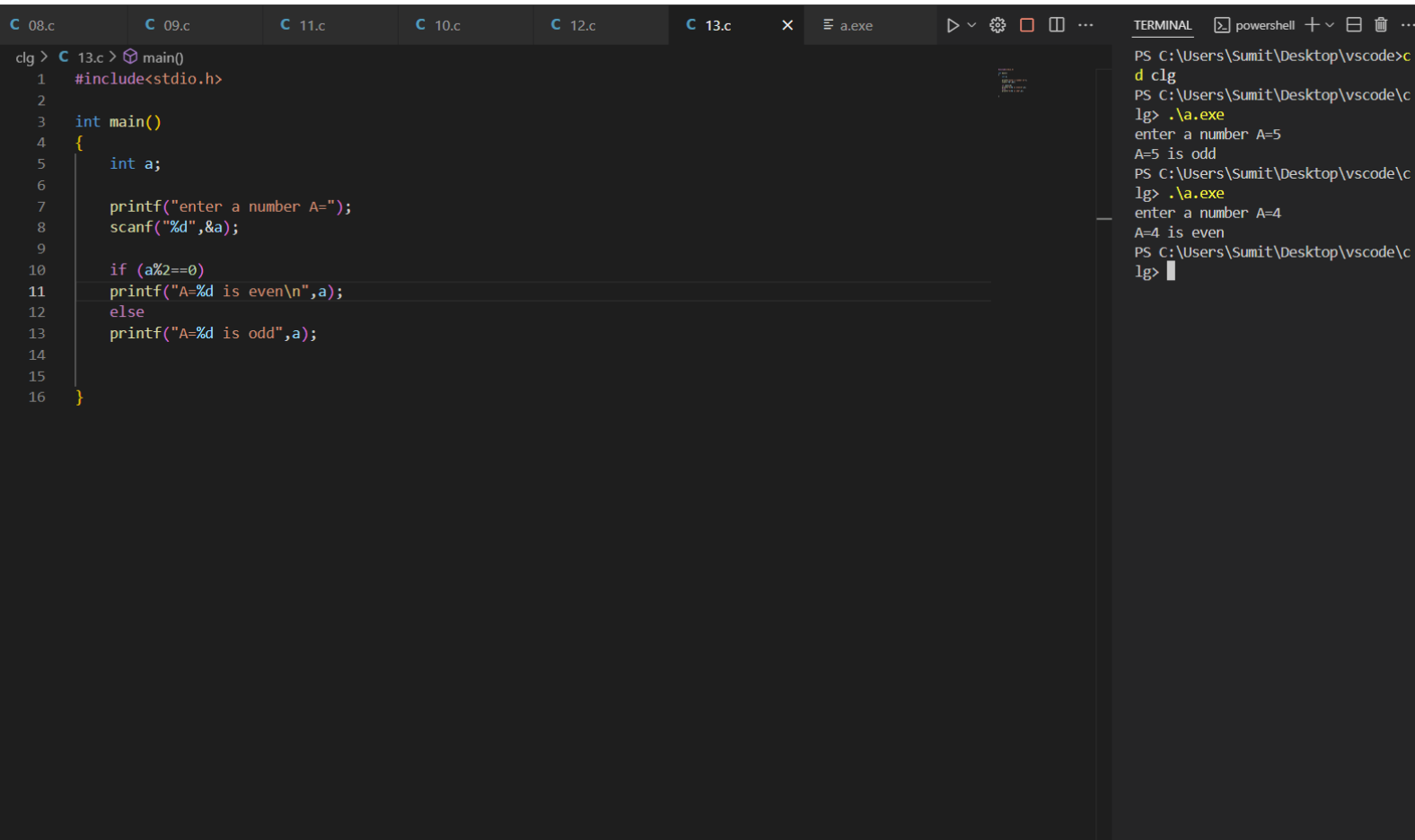
    if (a%2==0)

        printf("A=%d is even\n",a);

    else

        printf("A=%d is odd",a);

    ss}
```



The screenshot displays a Visual Studio Code (VS Code) environment. The editor window shows a C program named 13.c, which is designed to check if a number is even or odd. The code is as follows:

```
1  #include<stdio.h>
2
3  int main()
4  {
5      int a;
6
7      printf("enter a number A=");
8      scanf("%d",&a);
9
10     if (a%2==0)
11         printf("A=%d is even\n",a);
12     else
13         printf("A=%d is odd",a);
14
15 }
16
```

The terminal window on the right shows the execution of the program. The user has run the command `clg` to compile the program, followed by `lg> .\a.exe` to execute it. The program prompts the user to "enter a number A=" and then outputs "A=5 is odd" for the input 5. The user then runs the program again with the input 4, and the program outputs "A=4 is even".

