Assignment-5: Design of lexical analyzer

1. Develop a C code to generate a complete lexical analyzer to recognize the tokens (like identifiers, keywords, operators, comments, special symbols etc.) present in the following C program.

```c
int main()
    {
        int number;
        printf("Enter an integer: ");
        scanf("%d", &number);
        //True if the number is perfectly divisible by2
        if(number % 2 == 0)
            /*Print the answer*/
            printf("%d is even.", number);
        else
            printf("%d is odd.", number);
        return 0;
    }
```