

Assignment-1

Sol1. Github Link:-<https://github.com/goyalmadhav12/Open-Source-Software-Lab>

Sol2.**Write Operation:-**

```
# include <stdio.h>
# include <string.h>
int main( )
{
    FILE *filePointer ;
    char data [50] = "Open Source Software Lab By Mukund Madhav Goyal";
    filePointer = fopen("mukund.c", "w") ;
    if ( filePointer == NULL )
    {
        printf( "mukund.c file failed to open." ) ;
    }
    else
    {
        printf("The file is now opened.\n") ;
        if ( strlen ( data) > 0 )
        {
            fputs(data, filePointer) ;
            fputs("\n", filePointer) ;
        }
        fclose(filePointer) ;

        printf("Data successfully written in file mmg.c\n");
        printf("The file is now closed.") ;
    }
    return 0;
}
```

Read Operation:-

```
# include <stdio.h>
# include <string.h>
int main( )
{
    FILE *filePointer ;
    char dataToBeRead[50];
    filePointer = fopen("GfgTest.c", "r") ;
    if ( filePointer == NULL )
    {
        printf( "GfgTest.c file failed to open." ) ;
    }
    else
    {
        printf("The file is now opened.\n") ;
        while( fgets ( dataToBeRead, 50, filePointer ) != NULL )
        {
            printf( "%s" , dataToBeRead ) ;
        }
        fclose(filePointer) ;
        printf("Data successfully read from file GfgTest.c\n");
        printf("The file is now closed." );
    }
    return 0;
}
```

Sol3. <https://sdgs.un.org/goals/goal4>

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all:-

Quality education and lifelong learning opportunities for all are central to ensuring a full and productive life to all individuals and to the realization of sustainable development. Despite considerable progress in school enrolment, millions of children remain out of school, especially where educational systems struggle to keep up with population growth. Even when more children are enrolled, many do not acquire the basic skills. Quality education is hampered

by the lack of trained teachers and adequate school facilities. Achieving this Goal will require intensified efforts, particularly in sub-Saharan Africa and Southern Asia, targeted to vulnerable populations, specifically persons with disabilities, indigenous people, refugees and the rural poor.