padhAI

Anoushka Dixit
Harsh Sukhija
Shruti Shahi

INTRODUCTION

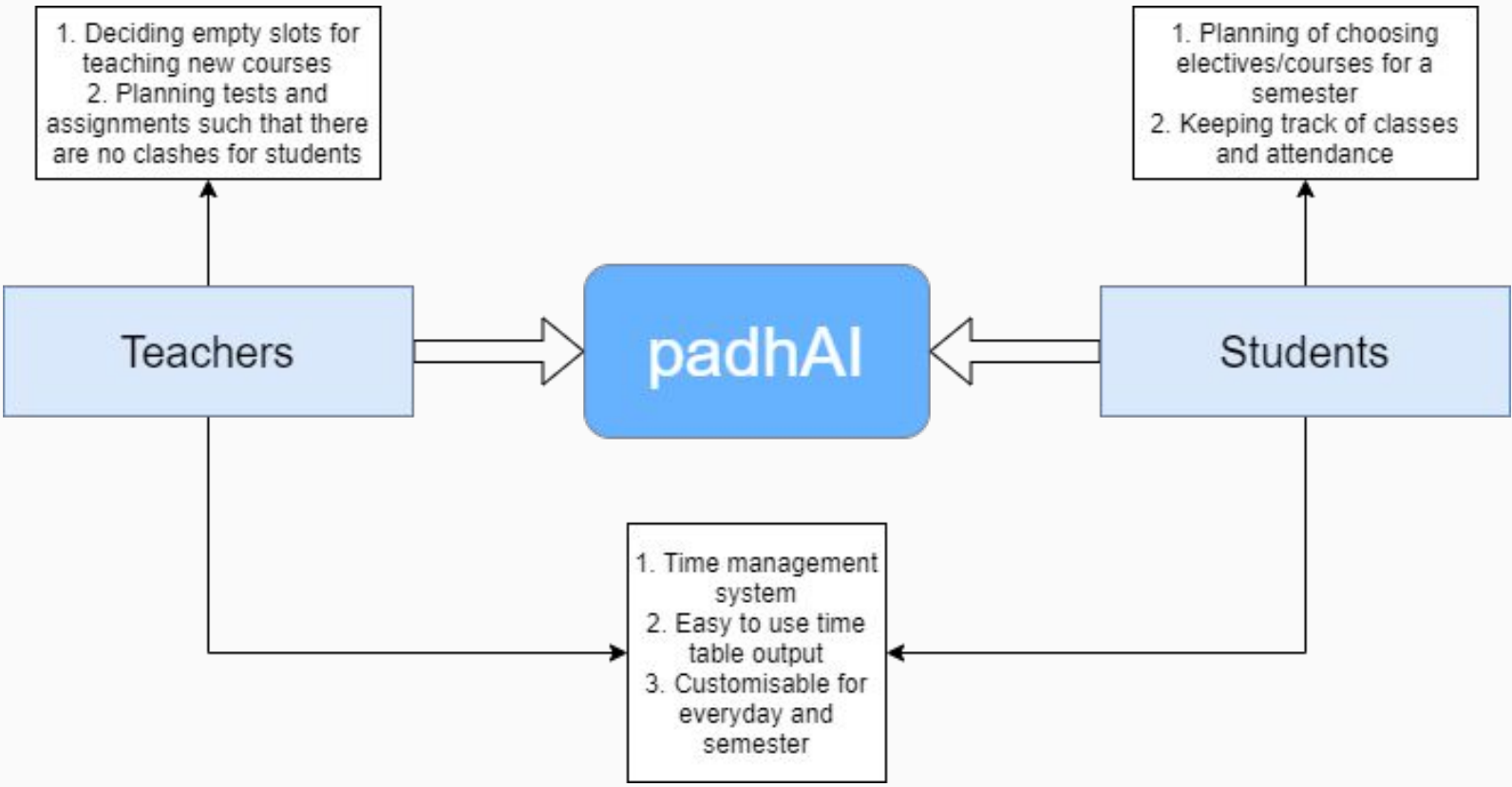
"**padhAI**" is a **class management system** where the **users- can be a teacher or a student**, can view their study time table for the day. This project helps the user to build a study schedule by simple commands. The users can change their data according to their requirements, and insert, view or reset subjects according to their needs.

This can further be scaled to construct weekly, monthly or semester wise schedule.

LOGIC

The program is based on basic file handling in C. The input is taken by the user and stored in files. Files are according to subjects like English, SDF, Lab, Physics. From these files the data is retrieved and printed. The file is opened in ‘write’ mode to reset and add new events and in ‘append’ mode to add more to existing events. It is opened in read mode to print the whole schedule.

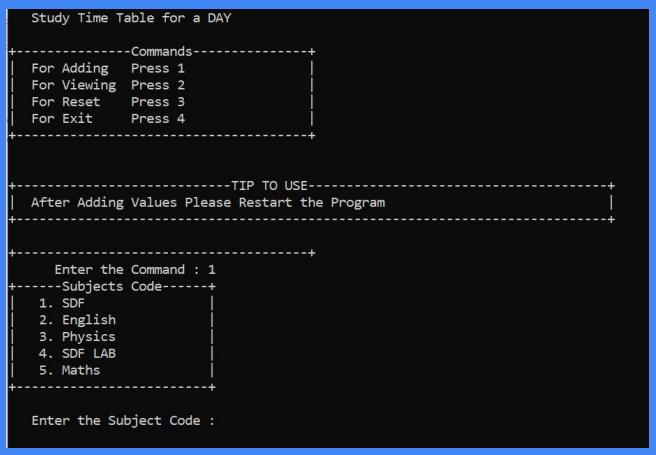
BENEFITS TO USERS

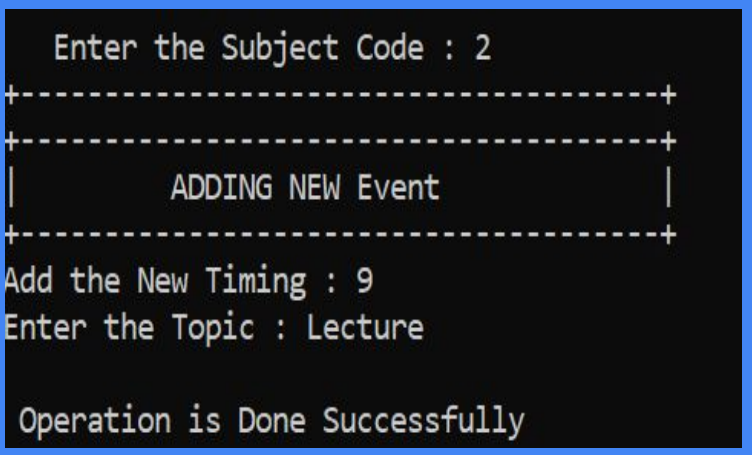


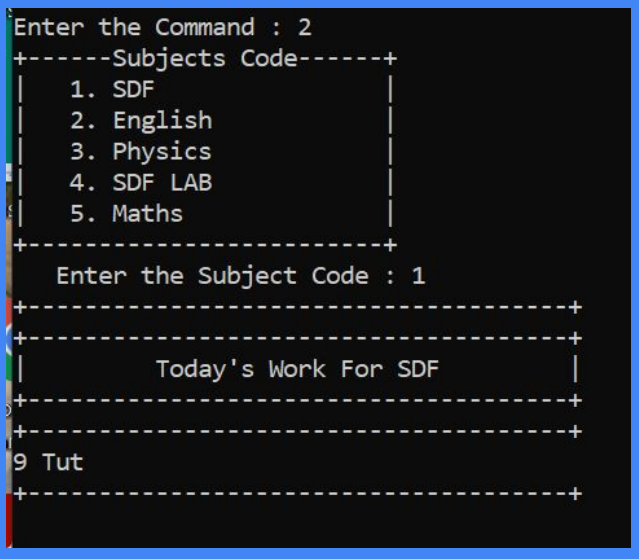
FOLLOW UP PLAN

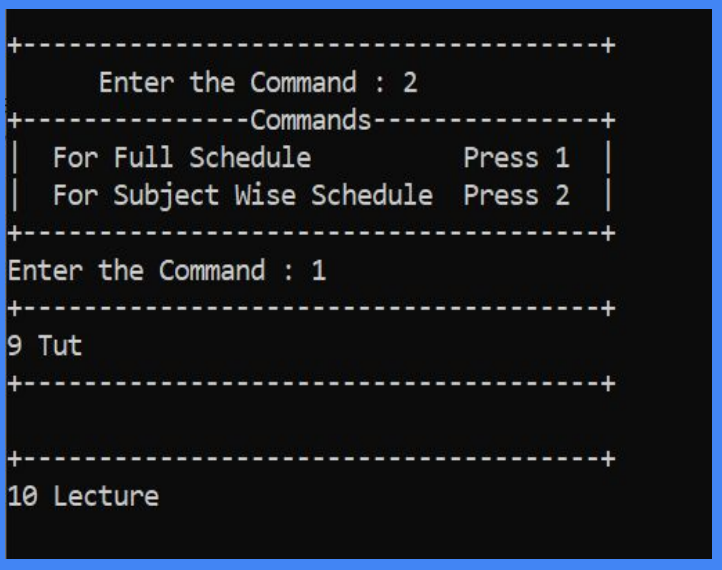
I. Integrate deadlines, to-do list in the daily time table
II. Update attendance on the time table
III. Integrate a scheduler assistant for extra classes and exams to see when everyone is available.

OUTPUT SCREENSHOTS









```
+-------------------------------------+
      Enter the Command : 3
+------Subjects Code------+
|   1. SDF                |
|   2. English            |
|   3. Physics            |
|   4. SDF LAB            |
|   5. Maths              |
+-------------------------+
   Enter the Subject Code :2
+-------------------------------------+
+-------------------------------------+
|         ENTRIES Are Resetted        |
+-------------------------------------+
+-------------------------------------+
|         ADD A NEW Entry             |
+-------------------------------------+
Enter the New Timing : 9
Enter the Topic : Tutorial

 Operation is Done Successfully
```

FILES CREATED:

English - Notepad

File Edit Format View Help

```
+-------------------------------------+
10 Lecture
```

SDF - Notepad

File Edit Format View Help

```
+-------------------------------------+
9 Tut
+-------------------------------------+
```

SOURCE CODE

```
#include <stdio.h>
#include "conio.h"
int main()
{
   int n, nn, nnn;
   char str1[100], str11[100], str12[100];
   char c;
   do
   {
      printf("   Study Time Table for a DAY\n");
      printf("\n");
      printf("+-------------Commands-------------+\n");
      printf("|  For Adding   Press 1              |\n");
      printf("|  For Viewing  Press 2              |\n");
      printf("|  For Reset    Press 3              |\n");
      printf("|  For Exit     Press 4              |\n");
      printf("+------------------------------------+\n");
      printf("\n");
      /*  printf("+------Subjects Code------+\n");
      printf("|   1. SDF              |\n");
      printf("|   2. English          |\n");
      printf("|   3. Physics          |\n");
      printf("|   4. SDF LAB          |\n");
      printf("|   5. Maths            |\n");
      printf("+-----------------------+\n");*/
      printf("\n");
      printf("+-------------------------TIP TO
USE-----------------------------------+\n");
      printf("|  After Adding Values Please Restart the
Program                          |\n");
      /*  printf("|  If you Press 3 then Subject.txt will
Reset and New one entry is Added      |\n");*/

printf("+-------------------------------------------------------------------------
--+\n");
      printf("\n");
      printf("+------------------------------------+\n");
      printf("      Enter the Command : ");
      scanf("%d", &n);
      /*    printf("+------------------------------------+\n");*/
if (n == 3)
      {
         /*  printf("+------------------------------------+\n");*/
         printf("+------Subjects Code------+\n");
         printf("|   1. SDF              |\n");
         printf("|   2. English          |\n");
         printf("|   3. Physics          |\n");
         printf("|   4. SDF LAB          |\n");
         printf("|   5. Maths            |\n");
         printf("+-----------------------+\n");
         printf("   Enter the Subject Code :");
         scanf("%d", &nn);
         printf("+------------------------------------+\n");
         if (nn == 1)
         {
            printf("+------------------------------------+\n");
            printf("|        ENTRIES Are Resetted        |\n");
            printf("+------------------------------------+\n");
            printf("+------------------------------------+\n");
            printf("|        ADD A NEW Entry             |\n");
            printf("+------------------------------------+\n");
            FILE *ptr1;
            FILE *ptr11;
            ptr1 = fopen("SDF.txt", "w");
            ptr11=fopen("General.txt","a");
            printf("Enter the New Timing : ");
            fflush(stdin);
            gets(str11);
            printf("Enter the Topic : ");
            fflush(stdin);
            gets(str12);
            fprintf(ptr1, "+------------------------------------+\n");
            fprintf(ptr1, "%s %s\n", str11, str12);
            fprintf(ptr11, "+------------------------------------+\n");
            fprintf(ptr11, "%s %s\n", str11, str12);
            printf("\n Operation is Done Successfully\n");
            /*    c=fgetc(ptr1);
            while(c!=EOF)
            {
               printf("%c",c);
```

CODE CONTINUED....

```
c=fgetc(ptr1);
            }*/
        }
        else if (nn == 2)
        {
            printf("+-------------------------------------+\n");
            printf("|        ENTRIES Are Resetted         |\n");
            printf("+-------------------------------------+\n");
            printf("+-------------------------------------+\n");
            printf("|        ADD A NEW Entry              |\n");
            printf("+-------------------------------------+\n");
            FILE *ptr2;
            FILE *ptr21;
            ptr2 = fopen("English.txt", "w");
            ptr21=fopen("General.txt","a");
            printf("Enter the New Timing : ");
            fflush(stdin);
            gets(str11);
            printf("Enter the Topic : ");
            fflush(stdin);
            gets(str12);
            fprintf(ptr2, "+-------------------------------------+\n");
            fprintf(ptr2, "%s %s\n", str11, str12);
            fprintf(ptr21, "+-------------------------------------+\n");
            fprintf(ptr21, "%s %s\n", str11, str12);
            printf("\n Operation is Done Successfully\n");
            /*    c=fgetc(ptr1);
            while(c!=EOF)
            {
               printf("%c",c);
               c=fgetc(ptr1);
            }*/
        }
        else if (nn == 3)
        {
            printf("+-------------------------------------+\n");
            printf("|        ENTRIES Are Resetted         |\n");
            printf("+-------------------------------------+\n");
            printf("+-------------------------------------+\n");
            printf("|        ADD A NEW Entry              |\n");
            printf("+-------------------------------------+\n");
```

```
FILE *ptr3;
            FILE *ptr31;
            ptr3 = fopen("Physics.txt", "w");
            ptr31=fopen("General.txt","a");
            printf("Enter the New Timing : ");
            fflush(stdin);
            gets(str11);
            printf("Enter the Topic : ");
            fflush(stdin);
            gets(str12);
            fprintf(ptr3, "+-------------------------------------+\n");
            fprintf(ptr3, "%s %s\n", str11, str12);
            fprintf(ptr31, "+-------------------------------------+\n");
            fprintf(ptr31, "%s %s\n", str11, str12);
            printf("\n Operation is Done Successfully\n");
            /*    c=fgetc(ptr1);
            while(c!=EOF)
            {
               printf("%c",c);
               c=fgetc(ptr1);
            }*/
        }
        else if (nn == 4)
        {
            printf("+-------------------------------------+\n");
            printf("|        ENTRIES Are Resetted         |\n");
            printf("+-------------------------------------+\n");
            printf("+-------------------------------------+\n");
            printf("|        ADD A NEW Entry              |\n");
            printf("+-------------------------------------+\n");
            FILE *ptr4;
            FILE *ptr41;
            ptr4 = fopen("SDF_LAB.txt", "w");
            ptr41=fopen("General.txt","a");
            printf("Enter the New Timing : ");
            fflush(stdin);
            gets(str11);
            printf("Enter the Topic : ");
            fflush(stdin);
            gets(str12);
            fprintf(ptr4, "+-------------------------------------+\n");
```

CODE CONTINUED....

```
fprintf(ptr4, "%s %s\n", str11, str12);
            fprintf(ptr41, "+-----------------------------------+\n");
            fprintf(ptr41, "%s %s\n", str11, str12);
            printf("\n Operation is Done Successfully\n");
            /*    c=fgetc(ptr1);
            while(c!=EOF)
            {
               printf("%c",c);
               c=fgetc(ptr1);
            }*/
         }
         else if (nn == 5)
         {
            printf("+-----------------------------------+\n");
            printf("|        ENTRIES Are Resetted       |\n");
            printf("+-----------------------------------+\n");
            printf("+-----------------------------------+\n");
            printf("|        ADD A NEW ENTRY            |\n");
            printf("+-----------------------------------+\n");
            FILE *ptr5;
            FILE *ptr51;
            ptr5 = fopen("Maths.txt", "w");
            ptr51=fopen("General.txt","a");
            printf("Enter the New Timing : ");
            fflush(stdin);
            gets(str11);
            printf("Enter the Topic : ");
            fflush(stdin);
            gets(str12);
            fprintf(ptr5, "%s %s\n", str11, str12);
            fprintf(ptr51, "+-----------------------------------+\n");
            fprintf(ptr51, "%s %s\n", str11, str12);
            printf("\n Operation is Done Successfully\n");
            /*    c=fgetc(ptr1);
            while(c!=EOF)
            {
               printf("%c",c);
               c=fgetc(ptr1);
            }*/
         }
      }
```

```
else if (n == 2)
      {
         printf("+-------------Commands-------------+\n");
         printf("|  For Full Schedule         Press 1  |\n");
         printf("|  For Subject Wise Schedule  Press 2  |\n");
         printf("+-----------------------------------+\n");
         printf("Enter the Command : ");
         scanf("%d", &nnn);
         if (nnn == 1)
         {
            FILE *ptr1;
            ptr1 = fopen("SDF.txt", "r");
            c = fgetc(ptr1);
            while (c != EOF)
            {
               printf("%c", c);
               c = fgetc(ptr1);
            }
            printf("\n");
            FILE *ptr2;
            ptr2 = fopen("English.txt", "r");
            c = fgetc(ptr2);
            while (c != EOF)
            {
               printf("%c", c);
               c = fgetc(ptr2);
            }
            printf("\n");
            FILE *ptr3;
            ptr3 = fopen("Physics.txt", "r");
            c = fgetc(ptr3);
            while (c != EOF)
            {
               printf("%c", c);
               c = fgetc(ptr3);
            }
            printf("\n");
            FILE *ptr4;
            ptr4 = fopen("SDF_LAB.txt", "r");
            c = fgetc(ptr4);
            while (c != EOF)
            {
```

CODE CONTINUED....

```
printf("%c", c);
            c = fgetc(ptr4);
        }
        printf("\n");
        FILE *ptr5;
        ptr5 = fopen("Maths.txt", "r");
        c = fgetc(ptr5);
        while (c != EOF)
        {
            printf("%c", c);
            c = fgetc(ptr5);
        }
        printf("\n");
        printf("\n Operation is Done Successfully\n");
    }
    else if (nnn == 2)
    {
        printf("+------Subjects Code------+\n");
        printf("|   1. SDF              |\n");
        printf("|   2. English          |\n");
        printf("|   3. Physics          |\n");
        printf("|   4. SDF LAB          |\n");
        printf("|   5. Maths            |\n");
        printf("+-----------------------+\n");
        printf("   Enter the Subject Code : ");
        scanf("%d", &nn);
        printf("+-------------------------------------+\n");
        if (nn == 1)
        {
            printf("+-------------------------------------+\n");
            printf("|        Today's Work For SDF         |\n");
            printf("+-------------------------------------+\n");
            FILE *ptr1;
            ptr1 = fopen("SDF.txt", "r");
            c = fgetc(ptr1);
            while (c != EOF)
            {
                printf("%c", c);
                c = fgetc(ptr1);
            }
            printf("\n");
            printf("\n Operation is Done Successfully\n");
        }
        else if (nn == 2)
            {
                printf("+-------------------------------------+\n");
                printf("|     Today's Work For English        |\n");
                printf("+-------------------------------------+\n");
                FILE *ptr2;
                ptr2 = fopen("English.txt", "r");
                c = fgetc(ptr2);
                while (c != EOF)
                {
                    printf("%c", c);
                    c = fgetc(ptr2);
                }
                printf("\n");
                printf("\n Operation is Done Successfully\n");
            }
            else if (nn == 3)
            {
                printf("+-------------------------------------+\n");
                printf("|     Today's Work For Physics        |\n");
                printf("+-------------------------------------+\n");
                FILE *ptr3;
                ptr3 = fopen("Physics.txt", "r");
                c = fgetc(ptr3);
                while (c != EOF)
                {
                    printf("%c", c);
                    c = fgetc(ptr3);
                }
                printf("\n");
                printf("\n Operation is Done Successfully\n");
            }
            else if (nn == 4)
            {
                printf("+-------------------------------------+\n");
                printf("|     Today's Work For SDF LAB        |\n");
                printf("+-------------------------------------+\n");
                FILE *ptr4;
                ptr4 = fopen("SDF_LAB.txt", "r");
                c = fgetc(ptr4);
                while (c != EOF)
                {
                    printf("%c", c);
```

CODE CONTINUED....

```
c = fgetc(ptr4);
            }
            printf("\n");
            printf("\n Operation is Done Successfully\n");
        }
        else if (nn == 5)
        {
            printf("+-------------------------------------+\n");
            printf("|      Today's Work For MATHS         |\n");
            printf("+-------------------------------------+\n");
            FILE *ptr5;
            ptr5 = fopen("Maths.txt", "r");
            c = fgetc(ptr5);
            while (c != EOF)
            {
                printf("%c", c);
                c = fgetc(ptr5);
            }
            printf("\n");
            printf("\n Operation is Done Successfully\n");
        }
    }
    else
    {
        printf("\nEnter the Valid Command\n");
    }
}
else if (n == 1)
{
    printf("+-----Subjects Code------+\n");
    printf("|   1. SDF              |\n");
    printf("|   2. English          |\n");
    printf("|   3. Physics          |\n");
    printf("|   4. SDF LAB          |\n");
    printf("|   5. Maths            |\n");
    printf("+-----------------------+\n");
    printf("\n");
    printf("   Enter the Subject Code : ");
    scanf("%d", &nn);
    printf("+-------------------------------------+\n");
    if (nn == 1)
    {
        printf("+-------------------------------------+\n");
        printf("|       ADD A NEW Event               |\n");
        printf("+-------------------------------------+\n");
        FILE *ptr1;
        FILE *ptr11;
        ptr1 = fopen("SDF.txt", "a");
        ptr11=fopen("General.txt","a");
        printf("Add the New Timing : ");
        fflush(stdin);
        gets(str11);
        printf("Enter the Topic : ");

        gets(str12);
        fprintf(ptr1, "+-------------------------------------+\n");
        fprintf(ptr1, "%s %s\n", str11, str12);
        fprintf(ptr1, "+-------------------------------------+\n");
        fprintf(ptr11, "+-------------------------------------+\n");
        fprintf(ptr11, "%s %s --> SDF\n", str11, str12);
        fprintf(ptr11, "+-------------------------------------+\n");
        fflush(stdin);
        printf("\n Operation is Done Successfully\n");
    }
    else if (nn == 2)
    {
        printf("+-------------------------------------+\n");
        printf("|       ADDING NEW Event              |\n");
        printf("+-------------------------------------+\n");

        FILE *ptr2;
        FILE *ptr21;
        ptr2 = fopen("English.txt", "a");
        ptr21=fopen("General.txt","a");
        printf("Add the New Timing : ");
        fflush(stdin);
        gets(str11);
        printf("Enter the Topic : ");
        fflush(stdin);
        gets(str12);
        fprintf(ptr2, "+-------------------------------------+\n");
        fprintf(ptr2, "%s %s\n", str11, str12);
        fprintf(ptr2, "+-------------------------------------+\n");
        fprintf(ptr21, "+-------------------------------------+\n");
        fprintf(ptr21, "%s %s --> English\n", str11, str12);
        fprintf(ptr21, "+-------------------------------------+\n");
```

CODE CONTINUED....

```
printf("\n Operation is Done Successfully\n");
        }
        else if (nn == 3)
        {
            printf("+-----------------------------------+\n");
            printf("|        ADDING NEW Event           |\n");
            printf("+-----------------------------------+\n");
            FILE *ptr3;
            FILE *ptr31;
            ptr3 = fopen("Physics.txt", "a");
            ptr31=fopen("General.txt","a");
            printf("Add the New Timing : ");
            fflush(stdin);
            gets(str11);
            printf("Enter the Topic : ");
            fflush(stdin);
            gets(str12);
            fprintf(ptr3, "+-----------------------------------+\n");
            fprintf(ptr3, "%s %s\n", str11, str12);
            fprintf(ptr3, "+-----------------------------------+\n");
            fprintf(ptr31, "+-----------------------------------+\n");
            fprintf(ptr31, "%s %s --> Physics\n", str11, str12);
            fprintf(ptr31, "+-----------------------------------+\n");
            printf("\n Operation is Done Successfully\n");
        }
        else if (nn == 4)
        {
            printf("+-----------------------------------+\n");
            printf("|        ADDING NEW Event           |\n");
            printf("+-----------------------------------+\n");
            FILE *ptr4;
            FILE *ptr41;
            ptr4 = fopen("SDF_LAB.txt", "a");
            ptr41=fopen("General.txt","a");
            printf("Add the New Timing : ");
            fflush(stdin);
            gets(str11);
            printf("Enter the Topic : ");
            fflush(stdin);
            gets(str12);
            fprintf(ptr4, "+-----------------------------------+\n");
            fprintf(ptr4, "%s %s\n", str11, str12);
            fprintf(ptr4, "+-----------------------------------+\n");
            fprintf(ptr41, "+-----------------------------------+\n");
            fprintf(ptr41, "%s %s --> SDF LAB\n", str11, str12);
            fprintf(ptr41, "+-----------------------------------+\n");
            printf("\n Operation is Done Successfully\n");
        }
        else if (nn == 5)
        {
            printf("+-----------------------------------+\n");
            printf("|        ADDING NEW Event           |\n");
            printf("+-----------------------------------+\n");
            FILE *ptr5;
            FILE *ptr51;
            ptr5 = fopen("Maths.txt", "a");
            ptr51=fopen("General.txt","a");
            printf("Add the New Timing : ");
            fflush(stdin);
            gets(str11);
            printf("Enter the Topic : ");
            fflush(stdin);
            gets(str12);
            fprintf(ptr5, "+-----------------------------------+\n");
            fprintf(ptr5, "%s %s\n", str11, str12);
            fprintf(ptr5, "+-----------------------------------+\n");
            fprintf(ptr51, "+-----------------------------------+\n");
            fprintf(ptr51, "%s %s --> Maths\n", str11, str12);
            fprintf(ptr51, "+-----------------------------------+\n");
            printf("\n Operation is Done Successfully\n");
        }
    }
    if (n >= 5 || n <= 0)
        printf("\n\nEnter the Valid Number\n\n\n");
  } while (n != 4);
  getch();
  return 0;
}
```