

Employee management system

```
*ems_new.c - Code::Blocks 20.03
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Start here x details.c x number.c x FH1.c x employee.c x ems.c x ems1.c x emsys.c x struct2.c x *ems_mam.c x *ems_new.c x

1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <windows.h>
4 #include <string.h>
5
6
7 COORD coord = {0, 0};
8
9
10 void gotoxy(int x, int y)
11 {
12     coord.X = x;
13     coord.Y = y;
14     SetConsoleCursorPosition(GetStdHandle(STD_OUTPUT_HANDLE), coord);
15 }
16
17
18 int main()
19 {
20     FILE *fp, *ft;
21     char another, choice;
22
23
24     struct emp
25     {
26         char name[40];
27         int age;
28         char dep[40];
29         char des[40];
30         float bs;
31     };
32
33     struct emp e;
34     char empname[40];
35     long int recsize;
```

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34 char empname[40];
35 long int recsize;
36
37
38 fp = fopen("C:\\Downloads\\details.txt", "r+");
39 if (fp == NULL)
40 {
41     fp = fopen("C:\\Downloads\\details.txt", "w+");
42     if (fp == NULL)
43     {
44         printf("Cannot open file");
45         exit(1);
46     }
47 }
48
49
50 recsize = sizeof(e);
51
52
53 while (1)
54 {
55     system("cls");
56     gotoxy(44, 6);
57     printf("Welcome to Wipro Employee Management");
58     gotoxy(44, 8);
59     printf("-----\n");
60     gotoxy(54, 10);
61     printf("1. Add Record");
62     gotoxy(54, 12);
63     printf("2. List Records");
64     gotoxy(54, 14);
65     printf("3. Modify Records");
66     gotoxy(54, 16);
67     printf("4. Delete Records");
68     gotoxy(54, 18);
```

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Start here x details.c x number.c x FH1.c x employee.c x ems.c x ems1.c x emsys.c x struct2.c x *ems_mam.c x *ems_new.c x

67 printf("4. Delete Records");
68 gotoxy(54, 18);
69 printf("5. Exit");
70 gotoxy(44, 20);
71 printf("-----\n");
72 gotoxy(54, 22);
73 printf("Enter Your Choice: ");
74
75 choice = getch();
76 switch (choice)
77 {
78     case '1':
79         system("cls");
80         fseek(fp, 0, SEEK_END);
81         another = 'y';
82         while (another == 'y' || another == 'Y')
83         {
84             printf("\nEnter name      : ");
85             scanf("%s", e.name);
86             printf("\nEnter age      : ");
87             scanf("%d", &e.age);
88             printf("\nEnter Department : ");
89             scanf("%s", e.dep);
90             printf("\nEnter Designation : ");
91             scanf("%s", e.des);
92             printf("\nEnter basic salary : ");
93             scanf("%f", &e.bs);
94             fwrite(&e, recsize, 1, fp);
95             printf("\nAdd another record (y/n)? ");
96             another = getch();
97         }
98         break;
99
100     case '2':
101         system("cls");
```

```
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Start here x details.c x number.c x FH1.c x employee.c x ems.c x ems1.c x emsys.c x struct2.c x *ems_mam.c x *ems_new.c x

100 case '2':
101     system("cls");
102     rewind(fp);
103     while (fread(&e, recsize, 1, fp) == 1)
104     {
105         printf("\nName      : %s\nAge      : %d\nDepartment : %s\nDesignation : %s\nBasic Salary : %.2f\n", e.name, e.age, e.dep, e.des, e.bs);
106     }
107     getch();
108     break;
109
110 case '3':
111     system("cls");
112     another = 'y';
113     while (another == 'y' || another == 'Y')
114     {
115         printf("Enter the employee name to modify: ");
116         scanf("%s", empname);
117         rewind(fp);
118         while (fread(&e, recsize, 1, fp) == 1)
119         {
120             if (strcmp(e.name, empname) == 0)
121             {
122                 printf("\nEnter new name      : ");
123                 scanf("%39s", e.name);
124                 printf("\nEnter new age      : ");
125                 scanf("%d", &e.age);
126                 printf("\nEnter new basic salary: ");
127                 scanf("%f", &e.bs);
128                 fseek(fp, -recsize, SEEK_CUR);
129                 fwrite(&e, recsize, 1, fp);
130                 break;
131             }
132         }
133         printf("\nModify another record (y/n)? ");
134         another = getch();
```

```
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Start here x details.c x number.c x FH1.c x employee.c x ems.c x ems1.c x emsys.c x struct2.c x *ems_mam.c x *ems_new.c x

135     }
136     break;
137
138     case '4':
139         system("cls");
140         another = 'y';
141         while (another == 'y' || another == 'Y')
142         {
143             printf("\nEnter name of employee to delete: ");
144             scanf("%s", empname);
145             ft = fopen("C:\\Downloads\\Temp.dat", "w+");
146             rewind(fp);
147             while (fread(&e, recsize, 1, fp) == 1)
148             {
149                 if (strcmp(e.name, empname) != 0)
150                 {
151                     fwrite(&e, recsize, 1, ft);
152                 }
153             }
154             fclose(fp);
155             fclose(ft);
156             remove("C:\\Downloads\\details.txt");
157             rename("C:\\Downloads\\Temp.txt", "C:\\Downloads\\details.txt");
158             fp = fopen("C:\\Downloads\\details.txt", "r+");
159             printf("Delete another record (y/n)? ");
160             another = getch();
161         }
162         break;
163
164     case '5':
165         fclose(fp);
166         exit(0);
167     }
168 }
169 return 0;
```

Output :

```
C:\C_Programming\Day_4\em x + v

Welcome to Wipro Employee Management

-----

1. Add Record
2. List Records
3. Modify Records
4. Delete Records
5. Exit

-----

Enter Your Choice:
```

3.Modify Records :

```
C:\C_Programming\Day_4\em x + v
Enter the employee name to modify: Log
Enter new name      : Log
Enter new age       : 25
Enter Department    : CS
Enter Designation   : Data
Enter new basic salary: 19000
Modify another record (y/n)? |
```

After Modify Records :

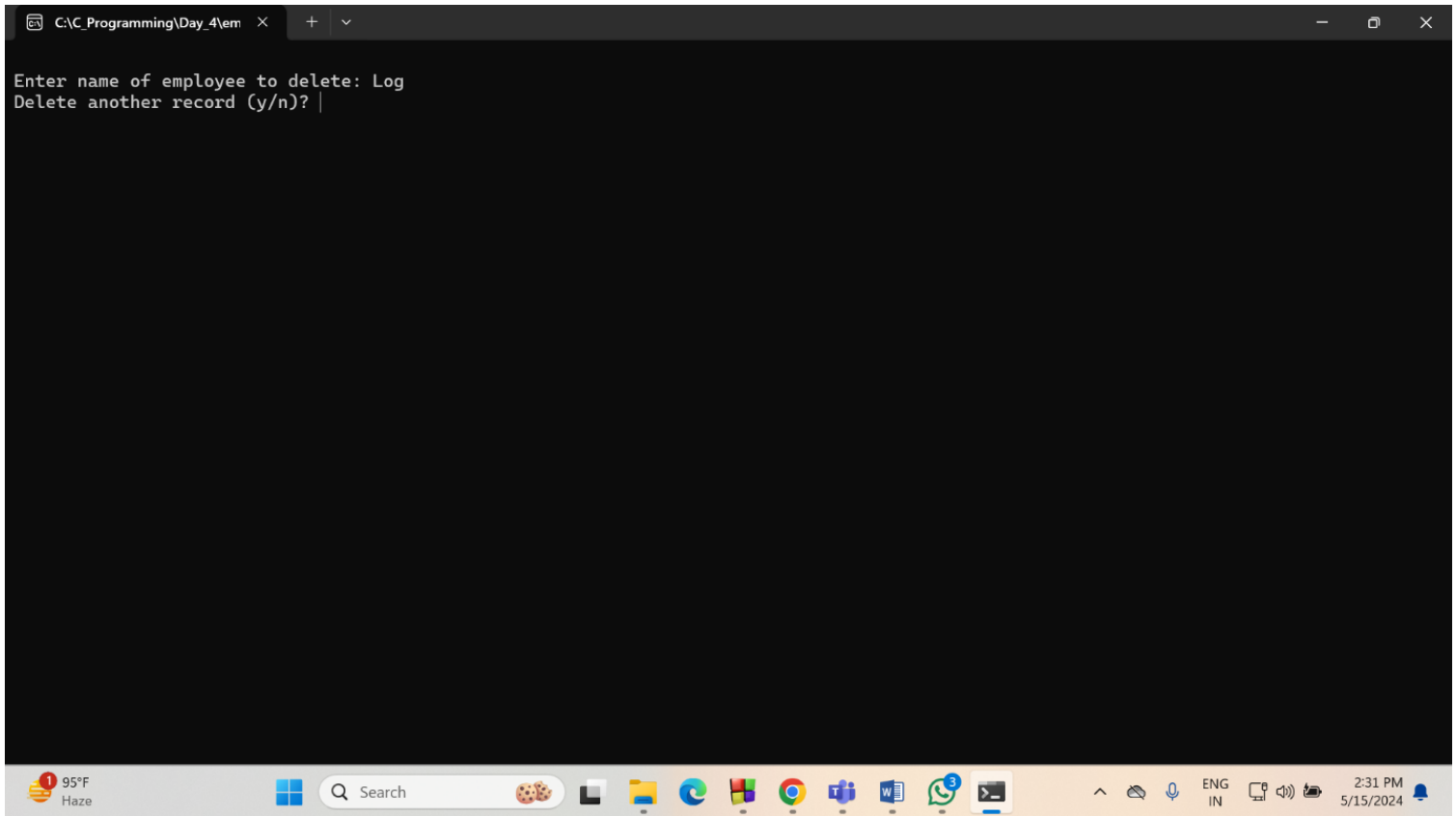
```
C:\C_Programming\Day_4\em x + v
Name      : Log
Age       : 25
Department : CS
Designation : Data
Basic Salary : 19000.00

Name      : Kavin
Age       : 23
Department : Phy
Designation : System
Basic Salary : 17000.00

Name      : Kamallesh
Age       : 27
Department : Sts
Designation : Analyst
Basic Salary : 18000.00
|
```

4.Delete Recods :

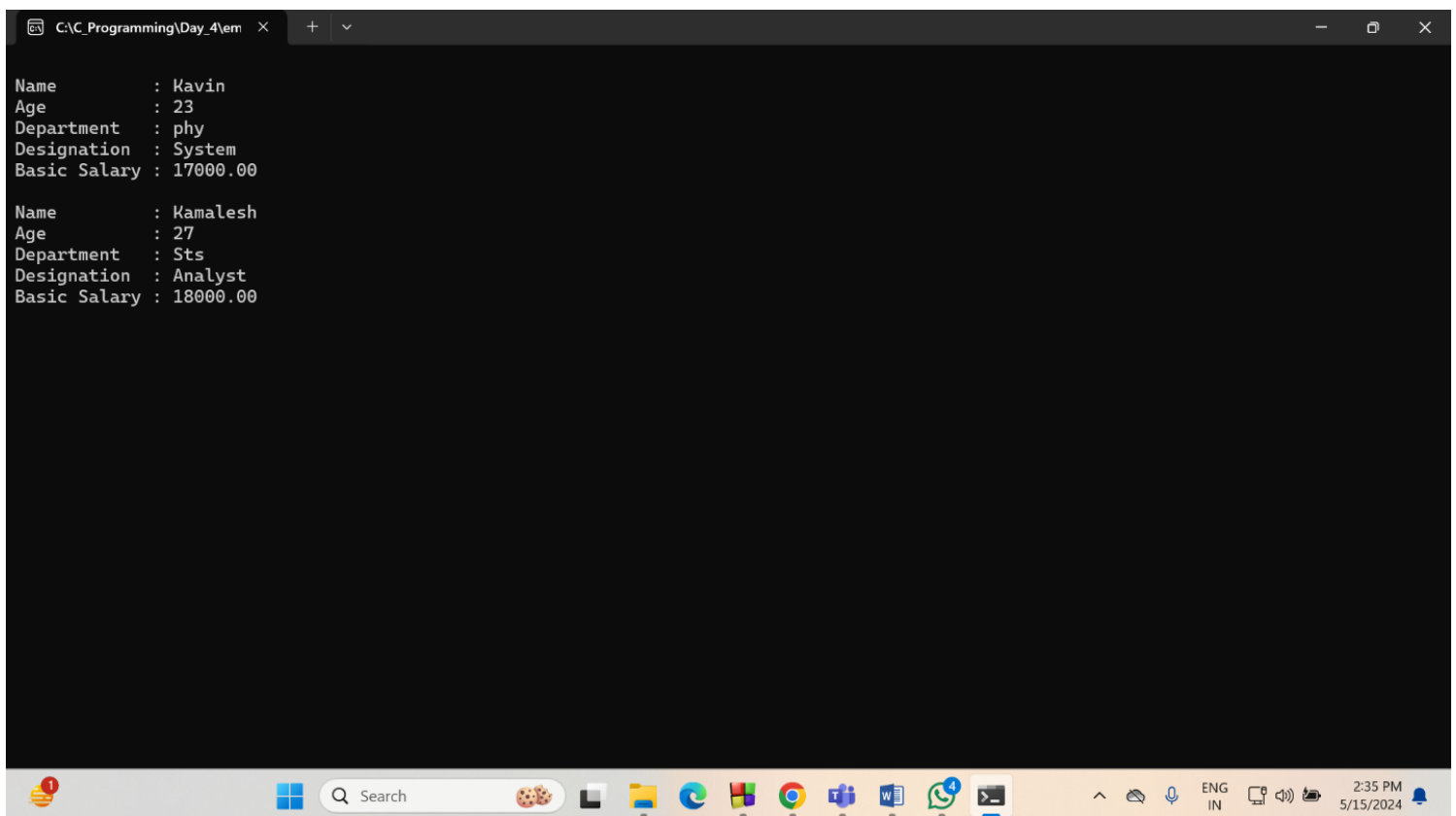
```
C:\C_Programming\Day_4\em x + v
Enter name of employee to delete: Log
Delete another record (y/n)? |
```



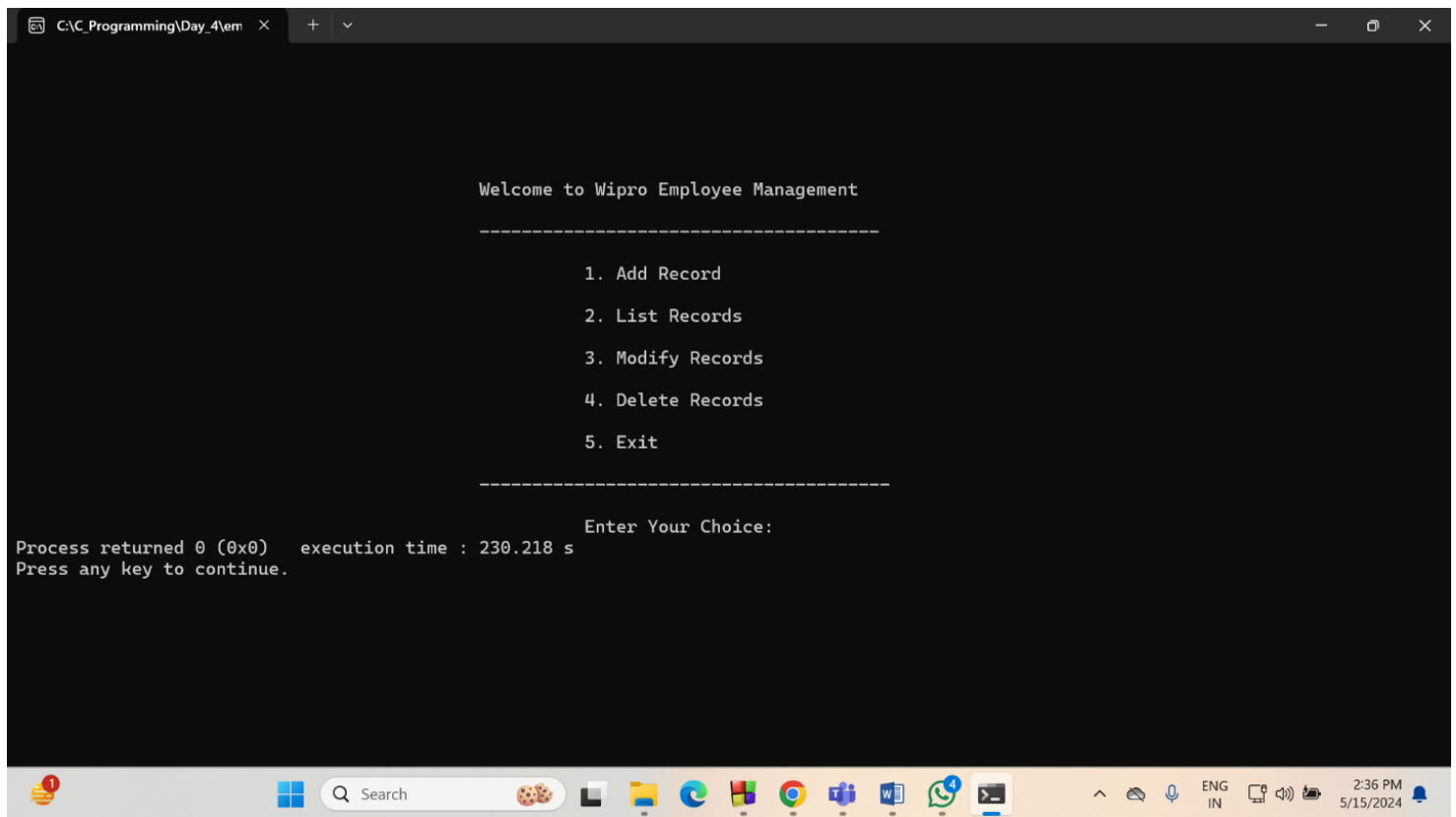
After delete records :

```
C:\C_Programming\Day_4\em x + v
Name      : Kavin
Age       : 23
Department : phy
Designation : System
Basic Salary : 17000.00

Name      : Kamallesh
Age       : 27
Department : Sts
Designation : Analyst
Basic Salary : 18000.00
```



5.Exit :



```
C:\C_Programming\Day_4\em x + v

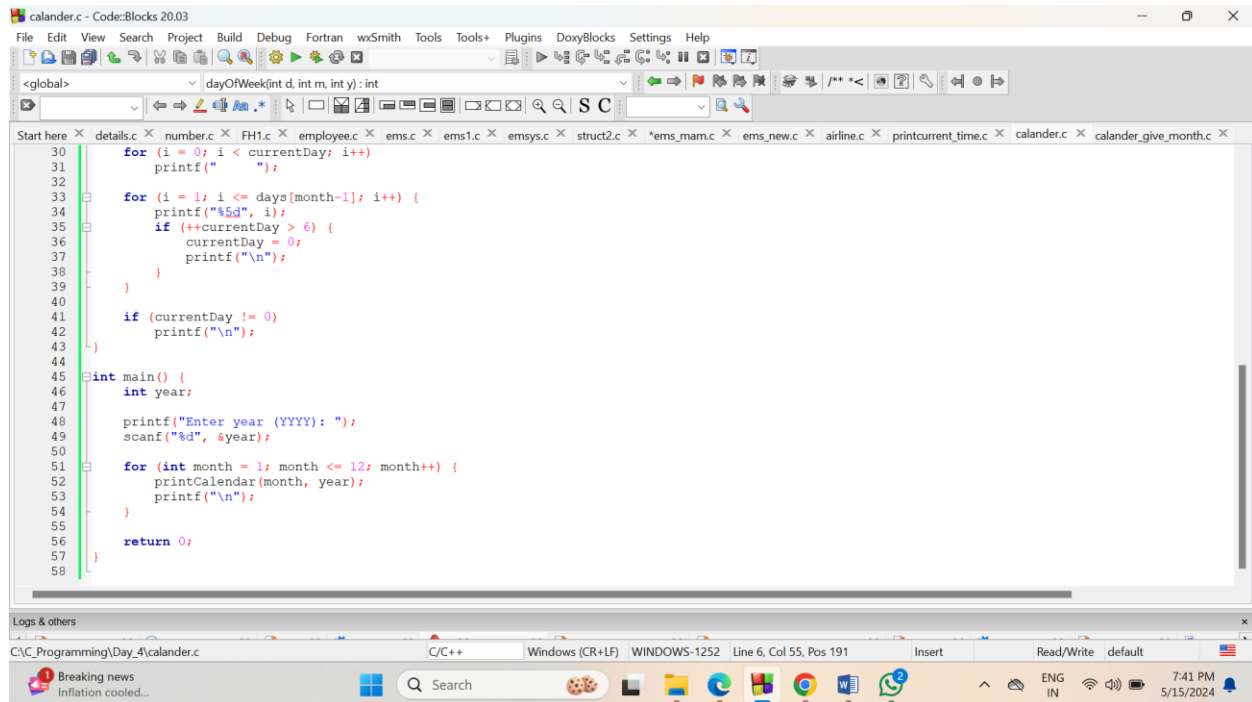
Welcome to Wipro Employee Management
-----

1. Add Record
2. List Records
3. Modify Records
4. Delete Records
5. Exit
-----

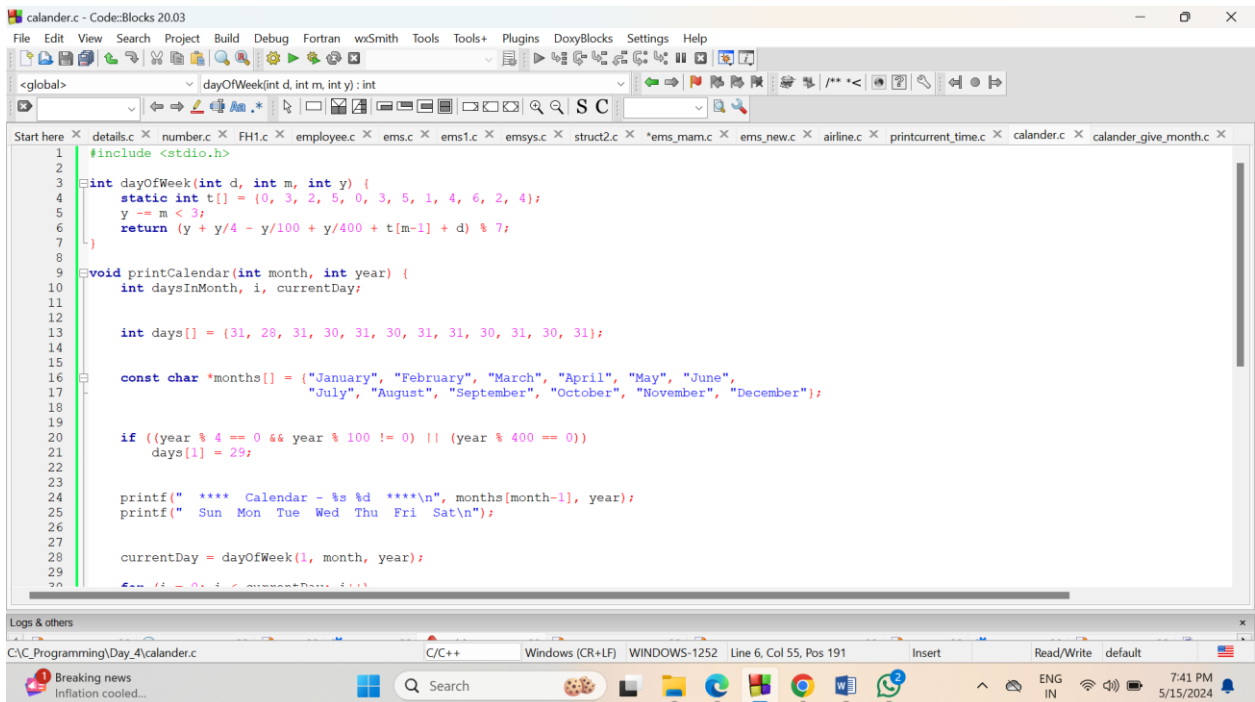
Enter Your Choice:

Process returned 0 (0x0)   execution time : 230.218 s
Press any key to continue.
```

Calendar :



```
calander.c - Code::Blocks 20.03
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<global> dayOfWeek(int d, int m, int y): int
Start here details.c number.c FH1.c employee.c ems.c ems1.c emsys.c struct2.c *ems_mam.c ems_new.c airline.c printcurrent_time.c calander.c calander_give_month.c
30 for (i = 0; i < currentDay; i++)
31     printf(" ");
32
33 for (i = 1; i <= days[month-1]; i++) {
34     printf("%5d", i);
35     if (++currentDay > 6) {
36         currentDay = 0;
37         printf("\n");
38     }
39 }
40
41 if (currentDay != 0)
42     printf("\n");
43 }
44
45 int main() {
46     int year;
47
48     printf("Enter year (YYYY): ");
49     scanf("%d", &year);
50
51     for (int month = 1; month <= 12; month++) {
52         printCalendar(month, year);
53         printf("\n");
54     }
55
56     return 0;
57 }
58
Logs and others
C:\C_Programming\Day_4\calander.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 6, Col 55, Pos 191 Insert Read/Write default
Breaking news
Inflation cooled...
```



```
calander.c - Code::Blocks 20.03
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<global> dayOfWeek(int d, int m, int y): int
Start here details.c number.c FH1.c employee.c ems.c ems1.c emsys.c struct2.c *ems_mam.c ems_new.c airline.c printcurrent_time.c calander.c calander_give_month.c
1 #include <stdio.h>
2
3 int dayOfWeek(int d, int m, int y) {
4     static int t[] = {0, 3, 2, 5, 0, 3, 5, 1, 4, 6, 2, 4};
5     y -= m < 3;
6     return (y + y/4 - y/100 + y/400 + t[m-1] + d) % 7;
7 }
8
9 void printCalendar(int month, int year) {
10     int daysInMonth, i, currentDay;
11
12     int days[] = {31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31};
13
14     const char *months[] = {"January", "February", "March", "April", "May", "June",
15                             "July", "August", "September", "October", "November", "December"};
16
17     if ((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0))
18         days[1] = 29;
19
20     printf("**** Calendar - %s %d ****\n", months[month-1], year);
21     printf("Sun Mon Tue Wed Thu Fri Sat\n");
22
23     currentDay = dayOfWeek(1, month, year);
24
25     for (i = 0; i < currentDay; i++)
26         printf(" ");
27
28     for (i = 1; i <= days[month-1]; i++) {
29         printf("%5d", i);
30         if (++currentDay > 6) {
31             currentDay = 0;
32             printf("\n");
33         }
34     }
35
36     if (currentDay != 0)
37         printf("\n");
38 }
39
40 int main() {
41     int year;
42
43     printf("Enter year (YYYY): ");
44     scanf("%d", &year);
45
46     for (int month = 1; month <= 12; month++) {
47         printCalendar(month, year);
48         printf("\n");
49     }
50
51     return 0;
52 }
53
Logs and others
C:\C_Programming\Day_4\calander.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 6, Col 55, Pos 191 Insert Read/Write default
Breaking news
Inflation cooled...
```

Output :

```
C:\C_Programming\Day_4\cal  x  +  v
Enter year (YYYY): 2024
**** Calendar - January 2024 ****
Sun Mon Tue Wed Thu Fri Sat
    1  2  3  4  5  6
  7  8  9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31

**** Calendar - February 2024 ****
Sun Mon Tue Wed Thu Fri Sat
    1  2  3
  4  5  6  7  8  9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29

**** Calendar - March 2024 ****
Sun Mon Tue Wed Thu Fri Sat
    1  2
  3  4  5  6  7  8  9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30
31

**** Calendar - April 2024 ****
Sun Mon Tue Wed Thu Fri Sat
    1  2  3  4  5  6
  7  8  9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30
```

```
C:\C_Programming\Day_4\cal  x  +  v
**** Calendar - May 2024 ****
Sun Mon Tue Wed Thu Fri Sat
    1  2  3  4
  5  6  7  8  9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31

**** Calendar - June 2024 ****
Sun Mon Tue Wed Thu Fri Sat
    1
  2  3  4  5  6  7  8
  9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30

**** Calendar - July 2024 ****
Sun Mon Tue Wed Thu Fri Sat
    1  2  3  4  5  6
  7  8  9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31

**** Calendar - August 2024 ****
Sun Mon Tue Wed Thu Fri Sat
    1  2  3
  4  5  6  7  8  9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30 31
```



```
C:\C_Programming\Day_4\cal  X + v

**** Calendar - September 2024 ****
Sun Mon Tue Wed Thu Fri Sat
 1  2  3  4  5  6  7
 8  9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30

**** Calendar - October 2024 ****
Sun Mon Tue Wed Thu Fri Sat
      1  2  3  4  5
 6  7  8  9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31

**** Calendar - November 2024 ****
Sun Mon Tue Wed Thu Fri Sat
      1  2
 3  4  5  6  7  8  9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30

**** Calendar - December 2024 ****
Sun Mon Tue Wed Thu Fri Sat
 1  2  3  4  5  6  7
 8  9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31
```

Breaking news
Inflation cooled...

Search

ENG IN 7:41 PM 5/15/2024