

main M1_ProjectGoal_Calendar / README.md

SaiKrish28 Update README.md

1 contributor

5 lines (3 sloc) 115 Bytes

#M1_ProjectOnCalendar

A Project on Calendar

NOTE: I have taken reference from Geeks for Geeks website for code.

main

M1_ProjectGoal_Calendar / 1_Requirements



SaiKrish28 Update 1_Requirements

1 contributor

10 lines (7 sloc) 244 Bytes

```
1 # Requirements
2
3 # High Level Requirements
4 The number of months in a year
5 proper background format for displaying the date
6
7 # Low level requirements
8 background colour and the size of the date numbers
9 7 columns to represent the days of the week
10
```



```

1  #include <stdio.h>
2
3  int dayNumber(int day, int month, int year)
4  {
5
6      static int t[] = { 0, 3, 2, 5, 0, 3,
7                          5, 1, 4, 6, 2, 4 };
8      year -= month < 3;
9      return (year + year / 4
10             - year / 100
11             + year / 400
12             + t[month - 1] + day)
13             % 7;
14 }
15
16 char* getMonthName(int monthNumber)
17 {
18     char* month;
19
20     switch (monthNumber) {
21     case 0:
22         month = "January";
23         break;
24     case 1:
25         month = "February";
26         break;
27     case 2:
28         month = "March";
29         break;
30     case 3:
31         month = "April";
32         break;
33     case 4:
34         month = "May";
35         break;

```

```

131
132     // Print the current month name
133     printf("\n ----- %s ----- \n",
134           getMonthName(i));
135
136     // Print the columns
137     printf(" Sun  Mon  Tue  Wed  Thu  Fri  Sat\n");
138
139
140     int k;
141     for (k = 0; k < current; k++)
142         printf(" ");
143
144     for (int j = 1; j <= days; j++) {
145         printf("%5d", j);
146
147         if (++k > 6) {
148             k = 0;
149             printf("\n");
150         }
151     }
152
153     if (k)
154         printf("\n");
155
156     current = k;
157 }
158
159 return;
160 }
161
162 int main()
163 {
164     int year = 2022;
165
166     printCalendar(year);
167     return 0;
168 }

```


