

```
date.c (-/Desktop/date) - gedit
#include <stdio.h>
int character_to_integer_date(char str[], int *day, int *month, int *year)
{
    int counter, ret;
    int digitarray[10];
    ret=0;
    for(counter=0; str[counter]!='\0'; counter++)
    {
        digitarray[counter]=str[counter]-'0';
        *day=(digitarray[0]*10)+digitarray[1];
        *month=(digitarray[2]*10)+digitarray[3];
        *year=(digitarray[4]*1000)+(digitarray[5]*100)+(digitarray[6]*10)+digitarray[7];
        if(*day>31 && *month==2 || *day>30 && (*month==4 || *month==6 || *month==9 || *month==11) || *day>31)
        {
            ret=-1;
        }
        return ret;
    }
}

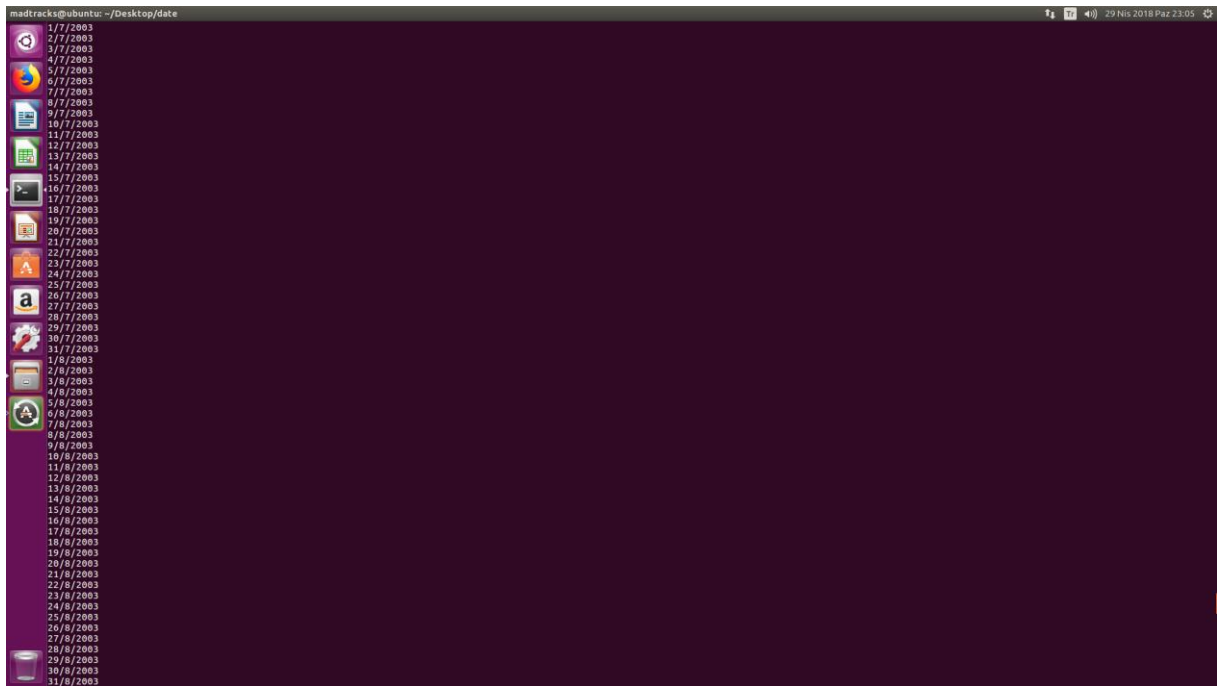
int date_with_number()
{
    char file_name[]="input_date.txt";
    char datestart[10];
    char dateend[10];
    int r1,r2;
    int sd, sm, sy;
    int ed, em, ey;
    int l,j,k;

    FILE * date;
    date = fopen(file_name, "w");
    printf("Enter a start date(dd/MM/yyyy):");
    scanf("%s", datestart);
    r1 = character_to_integer_date(datestart, &sd, &sm, &sy);
    while (r1==0)
    {
        printf("Wrong date.\n");
        printf("Enter a start date(dd/MM/yyyy):");
        scanf("%s", datestart);
        r1 = character_to_integer_date(datestart, &sd, &sm, &sy);
    }
    printf("Enter a end date(dd/MM/yyyy):");
    scanf("%s", dateend);
    r2 = character_to_integer_date(dateend, &ed, &em, &ey);
    while (r2==0)
    {
        printf("Wrong date.\n");
        printf("Enter a end date(dd/MM/yyyy):");
        scanf("%s", dateend);
        r2 = character_to_integer_date(dateend, &ed, &em, &ey);
    }
    for(k=sy; k=ey; k++)
    {
        for(l=sm; l=em; l++)
        {
            for(j=sd; j=ed; j++)
            {
                printf("%d/%d/%d\n", j, l, k);
                fprintf(date, "%d/%d/%d\n", j, l, k);
            }
        }
    }
    sd++;
    sm++;
    sy++;
    if(k=ey)
    {
        for(l=sm; l=em; l++)
        {
            for(j=sd; j=ed; j++)
            {
                printf("%d/%d/%d\n", j, l, k);
                fprintf(date, "%d/%d/%d\n", j, l, k);
            }
        }
    }
}
```

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for(k=sy; k=ey; k++)
{
    for(l=sm; l=em; l++)
    {
        if(l==1 || l==3 || l==5 || l==7 || l==9 || l==10 || l==12)
        {
            for(j=sd; j=ed; j++)
            {
                printf("%d/%d/%d\n", j, l, k);
                fprintf(date, "%d/%d/%d\n", j, l, k);
            }
        }
        else
        {
            if(l==0)
            {
                if(sy%100!=0)
                {
                    for(j=sd; j=ed; j++)
                    {
                        printf("%d/%d/%d\n", j, l, k);
                        fprintf(date, "%d/%d/%d\n", j, l, k);
                    }
                }
                else
                {
                    for(j=sd; j=ed; j++)
                    {
                        printf("%d/%d/%d\n", j, l, k);
                        fprintf(date, "%d/%d/%d\n", j, l, k);
                    }
                }
            }
            else
            {
                for(j=sd; j=ed; j++)
                {
                    printf("%d/%d/%d\n", j, l, k);
                    fprintf(date, "%d/%d/%d\n", j, l, k);
                }
            }
        }
    }
    sd++;
    sm++;
    sy++;
    if(k=ey)
    {
        for(l=sm; l=em; l++)
        {
            if(l=0)
            {
                if(sy%100!=0)
                {
                    for(j=sd; j=ed; j++)
                    {
                        printf("%d/%d/%d\n", j, l, k);
                        fprintf(date, "%d/%d/%d\n", j, l, k);
                    }
                }
                else
                {
                    for(j=sd; j=ed; j++)
                    {
                        printf("%d/%d/%d\n", j, l, k);
                        fprintf(date, "%d/%d/%d\n", j, l, k);
                    }
                }
            }
            else
            {
                for(j=sd; j=ed; j++)
                {
                    printf("%d/%d/%d\n", j, l, k);
                    fprintf(date, "%d/%d/%d\n", j, l, k);
                }
            }
        }
    }
}
```

```
date.c (-/Desktop/date) - gedit
111 {
112     for(j=sd; j<=11; j++)
113     {
114         printf("%d/%d/%d\n",j,i,k);
115         fprintf(date,"%d/%d/%d\n",j,i,k);
116     }
117 }
118 else
119 {
120     if(i==0)
121     {
122         if(sy%4!=0)
123         {
124             for(j=sd; j<=20; j++)
125             {
126                 printf("%d/%d/%d\n",j,i,k);
127                 fprintf(date,"%d/%d/%d\n",j,i,k);
128             }
129         }
130         else
131         {
132             for(j=sd; j<=20; j++)
133             {
134                 printf("%d/%d/%d\n",j,i,k);
135                 fprintf(date,"%d/%d/%d\n",j,i,k);
136             }
137         }
138     }
139     else
140     {
141         for(j=sd; j<=10; j++)
142         {
143             printf("%d/%d/%d\n",j,i,k);
144             fprintf(date,"%d/%d/%d\n",j,i,k);
145         }
146     }
147 }
148 }
149 else
150 {
151     for(j=sd; j<=ed; j++)
152     {
153         printf("%d/%d/%d\n",j,i,k);
154         fprintf(date,"%d/%d/%d\n",j,i,k);
155     }
156 }
157 sd++;
158 }
159 fclose(date);
160 return 0;
161 }
162
163 int main()
164 {
165     date_with_number();
166     return 0;
167 }
168 }
```

```
madtrack@ubuntu: ~/Desktop/date
$ ./date
Enter a start date(dd/MM/yyyy):05/05/2003
Enter a end date(dd/MM/yyyy):04/04/2004
5/5/2003
6/5/2003
7/5/2003
8/5/2003
9/5/2003
10/5/2003
11/5/2003
12/5/2003
13/5/2003
14/5/2003
15/5/2003
16/5/2003
17/5/2003
18/5/2003
19/5/2003
20/5/2003
21/5/2003
22/5/2003
23/5/2003
24/5/2003
25/5/2003
26/5/2003
27/5/2003
28/5/2003
29/5/2003
30/5/2003
31/5/2003
1/6/2003
2/6/2003
3/6/2003
4/6/2003
5/6/2003
6/6/2003
7/6/2003
8/6/2003
9/6/2003
10/6/2003
11/6/2003
12/6/2003
13/6/2003
14/6/2003
15/6/2003
16/6/2003
17/6/2003
18/6/2003
19/6/2003
20/6/2003
21/6/2003
22/6/2003
23/6/2003
24/6/2003
25/6/2003
26/6/2003
27/6/2003
28/6/2003
29/6/2003
30/6/2003
1/7/2003
2/7/2003
```



Line 1-23:

Changes the character dates to the integer values. If inputs are wrong, it returns -1.

Line 25-57:

Reads inputs from user and if the input is wrong, asks again.

Line 58-103:

Prints the date from start date to end of previous year.

If there is a leap year, it checks and prints February 29th.

Line 104-159:

Prints the date from previous year (or start date if the years same) to the end date.