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Lab_5 > main.c
P... + - =
main.c x
> Lab_5 E:\Tarle
> External Libraries
Scratches and Console
1 //Lab_5
2 //July 6,2021
3 //Sonny Sparks
4
5 #include <stdio.h>
6 int birth_year; age;
7 int CURRENTYEAR=2021; //Global Variables
8 int main(void)
9 {
10 //Problem 1:
11
12 printf(_Format: "Enter the year you were born: ");
13 scanf(_Format: "%d",&birth_year); //Get users year of birth
14 printf(_Format: "\n");
15 //Two Test to calculate whether the user was a leap year birth
16 if (birth_year % 4 ==0)
17 | printf(_Format: "You were born in a leap year!\n"); //Line Skipped because birth_year is not divisible by 4
18 if (birth_year % 4 !=0)
19 | printf(_Format: "You were not born in a leap year!\n");
20
21 age=CURRENTYEAR-birth_year;
22 //Can check on voting age as well as drinking age
23 if (age>=18)
24 | printf(_Format: "You can vote this year!\n");
25 if (age<=21)
26 | printf(_Format: "It is illegal for you to drink alcohol!\n");
27 // birth_year=2000 age=21
28 // birth_year=2400 age=-379
29 // birth_year=1800 age=221
30 // birth_year=1987 age=34
31
32 //Problem 2:
33
34 { int a, b;
35 int verdict;
36 puts(_Buffer: "Enter two integers: ");
37 scanf(_Format: "%i %i",&a,&b);
38 verdict=a*a-b*b+b+42 > 0; printf(_Format: "%i\n",verdict); }
39 //Integer -800 and 5, Verdict=1 (True)
40 //Integer 4 and 5, Verdict=0 (False)
```

