

C problem4.c > main()

```

1 // Q13: Write a program to input a year and check whether it is a leap year or not using conditional statements.
2
3 /*
4 Sample Test Cases:
5 Input 1:
6 2020
7 Output 1:
8 Leap year
9
10 Input 2:
11 1900
12 Output 2:
13 Not a leap year
14
15 Input 3:
16 2000
17 Output 3:
18 Leap year
19
20 */
21
22 #include <stdio.h>
23
24 int main()
25 {
26     int year;
27     printf("enter the year =\n");
28     scanf("%d", &year);
29
30     if (year % 4 == 0 && year % 100 != 0 || year % 400 == 0)
31     {
32         printf("THIS IS A LEAP YEAR");
33     }
34     else
35     {
36         printf("THIS IS NOT A LEAP YEAR");
37     }
38     return 0;
39 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\drago\OneDrive\Desktop\C PROGRAM> gcc .\problem4.c

PS C:\Users\drago\OneDrive\Desktop\C PROGRAM> ./a.exe

enter the year =

2020

THIS IS A LEAP YEAR

PS C:\Users\drago\OneDrive\Desktop\C PROGRAM> gcc .\problem4.c

PS C:\Users\drago\OneDrive\Desktop\C PROGRAM> ./a.exe

enter the year =

1900

THIS IS NOT A LEAP YEAR

PS C:\Users\drago\OneDrive\Desktop\C PROGRAM> gcc .\problem4.c

PS C:\Users\drago\OneDrive\Desktop\C PROGRAM> ./a.exe

enter the year =

2000

THIS IS A LEAP YEAR

PS C:\Users\drago\OneDrive\Desktop\C PROGRAM> █

C day7_q14.c > ...

```
1 // Q14: Write a program to input a character and check whether it is a vowel or consonant using if-else.
2
3 /*
4 Sample Test Cases:
5 Input 1:
6 a
7 Output 1:
8 Vowel
9
10 Input 2:
11 b
12 Output 2:
13 Consonant
14
15 */
16
17 #include <stdio.h>
18
19 int main() {
20     char ch;
21
22     printf("Enter a character: ");
23     scanf("%c", &ch);
24
25     if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' ||
26         ch == 'A' || ch == 'E' || ch == 'I' || ch == 'O' || ch == 'U') {
27         printf("Vowel\n");
28     } else {
29         printf("Consonant\n");
30     }
31
32     return 0;
33 }
34 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day7_q14.c

PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe

Enter a character: a

Vowel

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day7_q14.c

PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe

Enter a character: b

Consonant

PS C:\Users\drago\OneDrive\Desktop\C H.W> █