

```
1 //
2 // Created by hengxin on 10/16/21.
3 //
4
5 #include <stdio.h>
6
7 int main() {
8     int year;
9     scanf("%d", &year);
10
11     if (year % 4 == 0) {
12         if (year % 100 == 0) {
13             if (year % 400 == 0) {
14                 printf("The year %d is a leap year.\n", year);
15             } else {
16                 printf("The year %d is not a leap year.\n", year);
17             }
18         } else {
19             printf("The year %d is a leap year.\n", year);
20         }
21     } else {
22         printf("The year %d is not a leap year.\n", year);
23     }
24
25     return 0;
26 }
27
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14         if (year % 100 != 0) {
15             printf("The year %d is a leap year.\n", year);
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9     scanf("%d", &year);
10
11     if ((year % 4 == 0 && year % 100 != 0) || year % 400 ==
12         0) {
13         printf("The year %d is a leap year.\n", year);
14     } else {
15         printf("The year %d is not a leap year.\n", year);
16     }
17     return 0;
18 }
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3 //
4
5 #include <stdio.h>
6
7 int main() {
8     int dogs;
9     printf("How many\n");
10    scanf("%d", &dogs);
11    printf("So %d\n", dogs);
12
13    int a;
14    int b;
15
16    scanf("%d%d", &a, &b);
17
18    int min;
19    if (a >= b) {
20        min = b;
21    } else {
22        min = a;
23    }
24
25    printf("min{%d, %d} = %d\n", a, b, min);
26
27    return 0;
28 }
29
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4
5 #include <stdio.h>
6
7 int main() {
8     int a;
9     int b;
10    int c;
11
12    scanf("%d%d%d", &a, &b, &c);
13
14    int min;
15    if (a > b) {
16        if (b > c) {
17            min = c;
18        } else {
19            min = b;
20        }
21    } else {
22        if (a > c) {
23            min = c;
24        } else {
25            min = a;
26        }
27    }
28
29    // int min_of_a_b;
30    // if (a >= b) {
31    //     min_of_a_b = b;
32    // } else {
33    //     min_of_a_b = a;
34    // }
35    //
36    // int min;
37    // if (min_of_a_b >= c) {
38    //     min = c;
39    // } else {
40    //     min = min_of_a_b;
41    // }
42
43    printf("min{%d, %d, %d} = %d\n", a, b, c, min);
44
```

```
45     return 0;  
46 }  
47  
48
```

```
1 //
2 // Created by hengxin on 10/16/21.
3 //
4
5 #include <stdio.h>
6
7 #define NUM 5
8 int numbers[NUM] = {0};
9
10 int main() {
11     for (int i = 0; i < NUM; i++) {
12         scanf("%d", &numbers[i]);
13     }
14
15     int min = numbers[0];
16     for (int i = 1; i < NUM; i++) {
17         if (numbers[i] < min) {
18             min = numbers[i];
19         }
20     }
21
22     printf("min = %d\n", min);
23
24     return 0;
25 }
```



```
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2 // Created by hengxin on 10/16/21.
3 //
4
5 #include <stdio.h>
6
7 int main() {
8     int n;
9     scanf("%d", &n);
10
11     int sum = 0;
12     for (int i = 1; i <= n; i++) {
13         sum += i;
14     }
15
16     printf("%d\n", sum);
17
18     return 0;
19 }
```