

Dashboard > ICPE100 (1/2024): Lab > Lab 3.1: Basic "if" statement

Lab 3.1: Basic "if" statement

EASY

Memory Limit: 100000 KB

Time Limit: 1000 ms

Due date: Sat, 24 Aug 2024 12:00 AM
Created date: Thu, 22 Aug 2024 10:46 PM

Problem

Submission (2)

Lab 3.1: Basic "if" statement

Problem

Create a program to determine the value is even or odd

Hint:

(value % 2 == 1)

to determine the value as odd number
and/or

(value % 2 == 0)

```
1 // Phacharawat Eakgawatphokhin
2 // 67070503426
3
4 #include <stdio.h>
5
6 int main(void){
7     int a;
8     scanf("%d", &a);
9     if(a % 2 == 0){
10         printf("Even");
11     }else {
12         printf("Odd");
13     }
14     return 0;
15 }
```

C

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Dashboard > ICPE100 (1/2024): Lab > Lab 3.2: Complex if-else

Lab 3.2: Complex if-else

EASY

Memory Limit: 100000 KB

Time Limit: 1000 ms

Due date: Sat, 24 Aug 2024 12:00 AM
Created date: Fri, 23 Aug 2024 12:59 AM

Problem

Submission (7)

Lab 3.2 complex if-else

Problem

Write a C program that calculates the net salary of an employee based on their gross salary, tax deductions, and bonuses.

Bonus Calculation:

- If the performance rating is 5, the employee receives a bonus of 20% of their gross salary.
- If the performance rating is 4, the employee receives a bonus of 10% of their gross salary.

```
1 // Phacharawat Eakgawatphokhin
2 // 67070503426
3
4 #include <stdio.h>
5
6 int main(void){
7     float gross, tax;
8     int performance;
9     float bonusPercent;
10
11     scanf("%f %f %d", &gross, &tax, &performance);
12
13     if(gross < 0){
14         printf("Gross salary must be positive");
15         return 0;
16     }else if(tax < 0 || tax > 100){
17         printf("Tax rate out of range");
18         return 0;
19     }else if(performance > 5 || performance < 1){
20         printf("Performance rating out of range");
21         return 0;
22     }
23 }
```

C

Submit

Dashboard > ICPE100 (1/2024): Lab > Lab 3.3: Nested if-else

Lab 3.3: Nested if-else

EASY

Memory Limit: 100000 KB

Time Limit: 1000 ms

Due date: Sat, 24 Aug 2024 12:00 AM
Created date: Fri, 23 Aug 2024 12:19 AM

Problem

Submission (1)

Lab 3.3: Nested if-else

Problem

Write a program to determine whether the value is in between range 10-100 or not

Hint:

Use first outer if condition to check whether the value is more than/equal to 10 or less than/equal to 100.

Then in inner if condition, check the other way around.

Input

The input consists of 1 line

```
1 // Phacharawat Eakgawatphokhin
2 // 67070503426
3
4 #include <stdio.h>
5
6 int main(void){
7     int a;
8     scanf("%d", &a);
9
10     if(a >= 10 && a <= 100){
11         printf("Yes");
12     }else {
13         printf("No");
14     }
15 }
```

C

Submit