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**TECHNICAL HUB**

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### Description

## Grades of Rides

## Program Description

"**AquaticaCarnival**" is the most successful event dedicated to children and families. The Event has more than 20 rides for children and adults and the organizers always ensure not to compromise on the safety of the visitors.

To ensure the safety of the rides, the organizers have graded the rides in the fair according to the following conditions:

**Hurl Factor** must be greater than **50**.

**Spin Factor** must be greater than **60**.

**Speed factor** must be greater than **100**.


The grades are as follows:

Grade is **10** if **all three conditions are met**.

Grade is **9** if conditions **(i)** and **(ii)** are met.

Grade is **8** if conditions **(ii)** and **(iii)** are met.

Grade is **7** if conditions **(i)** and **(iii)** are met.

Garde is **6** if **only one condition** is met.

Grade is **5** if **none of three conditions** are met.

Write a program display the grade of the rides, given the values of **hurl factor**, **spin factor** and **speed factor** of the ride under consideration.

## Input Format

First line of the input consists of 3 integers that gives the **Hurl Factor,Spin Factor** and **Speed Factor** of the ride, each separated by a space.

## Output Format

Output should display the grade of the ride depending on Conditions.

## Constraints

C - GCC 11.1.0 ▾          Timer    0:38 sec

```
1    #include <stdio.h>
2    int main() {
3        int hurl, spin, speed;
4        scanf("%d %d %d", &hurl, &spin, &speed);
5        int c1 = (hurl > 50);
6        int c2 = (spin > 60);
7        int c3 = (speed > 100);
8        if (c1 && c2 && c3) {
9            printf("10");
10       } else if (c1 && c2) {
11           printf("9");
12       } else if (c2 && c3) {
13           printf("8");
14       } else if (c1 && c3) {
15           printf("7");
16       } else if (c1 || c2 || c3) {
17           printf("6");
18       } else {
```

```
18          } else {
19              printf("5");
20          }
21          return 0;
22      }
23
```

</> Run Code

## Compiler Response

| # | Testcase | Input | Expected Output | Your Output | Memory | CPU time | Result |
|---|----------|-------|-----------------|-------------|--------|----------|--------|
| 1 | 51 89 150 | 51 89 150 | 10 | 10 | 1408 KB | 3.832 ms | Pass |
| 2 | 45 69 102 | 45 69 102 | 8 | 8 | 1408 KB | 2.544 ms | Pass |

All hidden testcases passed

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