

Platform: InterviewBit

Language: C++

You are given a function **solve** which has the following parameters:

- **int *A**: an integer
- **int *B**: an integer

The function is declared with a **void** return type, so there is no value to return.

Modify the values in memory so that **A** contains their **sum** and **B** contains their **absolute difference**.

Code:

```
#include <iostream>
```

```
#include <cmath>
```

```
void solve(int *A, int *B) {
```

```
    int originalA = *A;
```

```
    *A = *A + *B;
```

```
    *B = std::abs(originalA - *B);
```

```
}
```

```
int main() {
```

```
    int A = 19;
```

```
    int B = 9;
```

```
    solve(&A, &B);
```

```
    std::cout << "A: " << A << std::endl;
```

```
    std::cout << "B: " << B << std::endl;
```

```
return 0;
```

```
}
```