

This lab is group lab. Write down the names of contributing members. Please submit only one copy for each group on Gradescope. Total points is 12.

Please complete the following methods in `Either.java` in the `lab4-either-start` branch.

1. (3 points) Complete `map` for `Left`.

```
public <C> Either<A, C> map(Function<B,C> f) {  
    /* Complete it */  
    try {  
        return right(f.apply(get()));  
    } catch (RuntimeException re) {  
        return left(value);  
    }  
}
```

2. (3 points) Complete `flatMap` for `Left`.

```
public <C> Either<A,C> flatMap(Function<B, Either<A,C>> f) {  
    /* Complete it */  
    try {  
        return f.apply(get());  
    } catch (RuntimeException re) {  
        return left(value);  
    }  
}
```

3. (3 points) Complete `map` for `Right`.

```
public <C> Either<A, C> map(Function<B,C> f) {  
    /* Complete it */  
    return right(f.apply(get()));  
}
```

4. (3 points) Complete `flatMap` for `Right`.

```
public <C> Either<A,C> flatMap(Function<B, Either<A,C>> f) {  
    /* Complete it */  
    return f.apply(get());  
}
```