

## CS 1713, Fall 2003, Practice with if-else

The following program segments attempt to calculate a fee based on number of passengers according to the schedule given in the table. Determine which segments (if any) correctly compute the value.

passengers	fee
< 2	\$100
2 - 10	\$300
11 - 20	\$500
> 20	\$1000

```
fee = 100.0;
```

```
if (passengers < 20)
```

```
    fee = 1000.0;
```

```
if (passengers > 10)
```

```
    fee = 500.0;
```

```
if (passengers >= 2)
```

```
    fee = 300.0;
```

```
fee = 100.0;
```

```
if (passengers >= 2)
```

```
    fee = fee + 200.0;
```

```
if (passengers < 10)
```

```
    fee = fee + 400.0;
```

```
if (passengers > 20)
```

```
    fee = fee + 900.0;
```

```
fee = 100.0;
```

```
if (passengers >= 2)
```

```
    fee = fee + 200.0;
```

```
else if (passengers > 10)
```

```
    fee = fee + 400.0;
```

```
else if (passengers > 20)
```

```
    fee = fee + 900;
```

```
fee = 100.0;
```

```
if (passengers >= 2)
```

```
    if (passengers >= 10)
```

```
        if (passengers >= 20)
```

```
            fee = fee + 900.0;
```

```
        else
```

```
            fee = fee + 400.0;
```

```
    else
```

```
        fee = fee + 200.0;
```

```
fee = 1000;
```

```
if (passengers < 20)
```

```
    fee = 500.0;
```

```
if (passengers < 10)
```

```
    fee = 300.0;
```

```
if (passengers < 2)
```

```
    fee = 100.0;
```

```
fee = 100.0;
```

```
if (2 <= passengers &&
```

```
    passengers <= 10)
```

```
    fee = 300.0;
```

```
else if (10 < passengers &&
```

```
    passengers <= 20)
```

```
    fee = 500.0;
```

```
else fee = 1000.0;
```