







- || OR -- pipes if either side is T whole expression is true && if either is F whole exp is false
- one side T and one side F whole exp is true

```
/* Exercise 51
51. Bill and Jill are house painters. Bill can paint a standard room in 2.15 hours, while Jill average 1.90 hours. How long will it take the two painters working together to paint 5 standard rooms?
Hint: Calculate the rate at which each painter can complete a room (rooms / hour), combine those reand then divide the total number of rooms to be painted by the combined rate.
*/

// bill can paint 1 room in 2.15 hours, how much of a room can he paint in 1 hour int oneRoom = 1;
double billRate = 2.15;
double jillRate = 1.90;
double billRoomsPerHour = oneRoom / billRate;
double jillRoomsPerHour = oneRoom / jillRate;
double combinedRoomsPerHour = billRoomsPerHour + jillRoomsPerHour;
int totalRooms = 5;
double combinedRate = totalRooms / combinedRoomsPerHour;
```