# 14.B. Conditions Models

CPSC 120: Introduction to Programming
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# Model 1

```
#include <iostream>

void DisplayTipSplit(double total_tip, int num_customers) {
  const int k_too_many_customers = 10;
  std::cout << "Tip split:\n";
  if (num_customers < k_too_many_customers) {
    std::cout << "Cashier: $" << total_tip * 0.2 << "\n";
    std::cout << "Chef: $" << total_tip * 0.3 << "\n";
    std::cout << "Server: $" << total_tip * 0.5 << "\n";
  } else {
    std::cout << "Cashier: $" << total_tip * 0.2 << "\n";
    std::cout << "Chef: $" << total_tip * 0.3 << "\n";
    std::cout << "Server: $" << total_tip * 0.45 << "\n";
    std::cout << "Manager: $" << total_tip * 0.05 << "\n";
  }
}
int main() {
  DisplayTipSplit(150.00, 12);
  return 0;
}
```

**Output:**
Tip split:
Cashier: $30
Chef: $45
Server: $67.5
Manager: $7.5

# Model 2