## MIS 221 IPO & Flowchart Example

Write an IPO for calculating a tip for a party at a restaurant. If the party is less than or equal to 8 then the tip should be 20% of the order total. If a party is greater than 8 then charge a flat tip of $100

|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| orderTotal  numGuests | Processing Item:  tipTotal  Prompt user for both orderTotal and numGuests  If numGuests > 8  finalTotal = orderTotal + 100  Else  tipTotal = (orderTotal \* .2)  finalTotal = orderTotal + tipTotal  Display to user finalTotal | finalTotal |

