# IPO Tabe:

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| --- | --- | --- |
| **Input** | **Process** | **Output** |
| * User enters a wizard name, Year of registration and number of books rented * User enters a magic book’s name and Category. | * Save the Wizard’s name to an array that stores names of the customers. * Save the new magic book to an array that stores names of magic books. | Display |

# **Award magical bonus pseudocode:**

1. Start
2. Display” How many years have you been a customer?”
3. customerPeriod = get value
4. Display” How many rentals have you rented this month?”
5. numberOfRentals = get value
6. If customerPeriod < 5 && numberOfRentals < 25
7. Display” You do not qualify for the magical bonus”
8. If 5 <= customerPeriod < 10 && 25 <= numberOfRentals
9. Display” You qualify for 1 bronze tier book!”
10. If 10 <= customerPeriod < 15 && 50 <= numberOfRentals
11. Display” You qualify for 3 bronze and 1 silver tier books!”
12. If 15 <= customerPeriod && 75 <= numberOfRentals
13. Display” You qualify for 5 bronze, 2 silver and 1 gold tier books!”
14. End

# **Award magical bonus IPO chart:**

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| --- | --- | --- |
| Input | Processing | Output |
| * Number of years as a customer * Number of movies rented for the month | 1. Prompt for number of years as a customer 2. Get Value 3. Prompt for number of rentals for the month 4. Get Value | * You have qualified for 1 bronze tier book! * You qualify for 3 bronze and 1 silver tier books! * You qualify for 5 bronze, 2 silver and 1 gold tier books! |