**TEST PLAN / Filled**

**Library Due Dates Calculator**

**Program purpose:**

The purpose of Program 3 is to take in what type of item they wish to check out of the library (1 for new releases | 2 for anything else). And to have the user input the date the item was check out on in numeric form. The program will than output the due date for the item that is being check ed out.

**Program instructions**

The program will ask you for the item type than month, day, and year of when the item was checked out. If you go off of the tables, you will enter the input values left to right. If a test case passed, please but a Y or if it failed please but a N.

Test Case for new releases

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Input | | | | Expected Output | | | Observed Output | | | Pass? |
| Item type | Month | Day | year | Month | Day | Year | Month | Day | Year |  |
| 1 | 1 | 5 | 2019 | 1 | 19 | 2019 | 1 | 19 | 2019 | Y |
| 1 | 2 | 5 | 2019 | 2 | 19 | 2019 | 2 | 19 | 2019 | Y |
| 1 | 3 | 5 | 2019 | 3 | 19 | 2019 | 3 | 19 | 2019 | Y |
| 1 | 4 | 5 | 2019 | 4 | 19 | 2019 | 4 | 19 | 2019 | Y |
| 1 | 5 | 5 | 2019 | 5 | 19 | 2019 | 5 | 19 | 2019 | Y |
| 1 | 6 | 5 | 2019 | 6 | 19 | 2019 | 6 | 19 | 2019 | Y |
| 1 | 7 | 25 | 2019 | 8 | 8 | 2019 | 8 | 8 | 2019 | Y |
| 1 | 8 | 25 | 2019 | 9 | 8 | 2019 | 9 | 8 | 2019 | Y |
| 1 | 9 | 25 | 2019 | 10 | 9 | 2019 | 10 | 9 | 2019 | Y |
| 1 | 10 | 25 | 2019 | 11 | 8 | 2019 | 11 | 8 | 2019 | Y |
| 1 | 11 | 25 | 2019 | 12 | 9 | 2019 | 12 | 9 | 2019 | Y |
| 1 | 12 | 25 | 2019 | 1 | 8 | 2020 | 1 | 8 | 2020 | Y |

Test Case for general releases

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Input | | | | Expected Output | | | Observed Output | | | Pass? |
| Item type | Month | Day | year | Month | Day | Year | Month | Day | Year |  |
| 2 | 1 | 25 | 2019 | 2 | 15 | 2019 | 2 | 15 | 2019 | Y |
| 2 | 2 | 25 | 2019 | 3 | 18 | 2019 | 3 | 18 | 2019 | Y |
| 2 | 3 | 25 | 2019 | 4 | 15 | 2019 | 4 | 15 | 2019 | Y |
| 2 | 4 | 25 | 2019 | 5 | 16 | 2019 | 5 | 16 | 2019 | Y |
| 2 | 5 | 25 | 2019 | 6 | 15 | 2019 | 6 | 15 | 2019 | Y |
| 2 | 6 | 25 | 2019 | 7 | 16 | 2019 | 7 | 16 | 2019 | Y |
| 2 | 7 | 5 | 2019 | 7 | 26 | 2019 | 7 | 26 | 2019 | Y |
| 2 | 8 | 5 | 2019 | 8 | 26 | 2019 | 8 | 26 | 2019 | Y |
| 2 | 9 | 5 | 2019 | 9 | 26 | 2019 | 9 | 26 | 2019 | Y |
| 2 | 10 | 5 | 2019 | 10 | 26 | 2019 | 10 | 26 | 2019 | Y |
| 2 | 11 | 5 | 2019 | 11 | 26 | 2019 | 11 | 26 | 2019 | Y |
| 2 | 12 | 5 | 2019 | 12 | 26 | 2019 | 12 | 26 | 2019 | Y |
| 2 | 12 | 25 | 2019 | 1 | 15 | 2020 | 1 | 15 | 2020 | Y |