

NOTES:

- What the user typed is underlined and in bold in these sample runs below
- You are recommended to test values that are very simple and also border cases to easily double check the correctness of the calculations

```
>>> ===== RESTART =====  
>>>
```

```
-----  
Welcome to the CMPT 120 "Time goes by" system!  
You will be able to calculate the distance between dates  
The dates will be asked in the format year,month,day  
where it is assumed that:  
- years may be between 1901 and 2099  
- all months have 30 days
```

```
Please follow the system prompts  
-----
```

Please provide the first (earliest) date

```
year (between 1901 and 2099 inclusive): 1901  
month: 1  
day (between 1 and 30 inclusive): 2
```

Please provide the second (latest) date

```
year (between 1901 and 2099 inclusive): 1901  
month: 1  
day (between 1 and 30 inclusive): 4
```

First result

```
-----  
The number of days since 1901,1,1 to ...:
```

```
1901,1,2 is: 1  
1901,1,4 is: 3
```

Second result

```
-----  
The difference in days is: 2
```

Third (and last) result

```
-----  
The difference in days is expressible also as: 0 years, 0 months and 2 days
```

End of the program! Bye!

```
>>>
```

```
>>> ===== RESTART =====  
>>>
```

```
-----  
Welcome to the CMPT 120 "Time goes by" system!  
You will be able to calculate the distance between dates  
The dates will be asked in the format year,month,day  
where it is assumed that:  
    - years may be between 1901 and 2099  
    - all months have 30 days
```

```
Please follow the system prompts  
-----
```

```
Please provide the first (earliest) date
```

```
year (between 1901 and 2099 inclusive): 1901  
month: 1  
day (between 1 and 30 inclusive): 1
```

```
Please provide the second (latest) date
```

```
year (between 1901 and 2099 inclusive): 1901  
month: 5  
day (between 1 and 30 inclusive): 1
```

```
First result  
-----
```

```
The number of days since 1901,1,1 to ...:
```

```
1901,1,1 is: 0  
1901,5,1 is: 120
```

```
Second result  
-----
```

```
The difference in days is: 120
```

```
Third (and last) result  
-----
```

```
The difference in days is expressible also as: 0 years, 4 months and 0 days
```

```
End of the program! Bye!
```

```
>>>
```

```
>>> ===== RESTART =====  
>>>
```

```
-----  
Welcome to the CMPT 120 "Time goes by" system!  
You will be able to calculate the distance between dates  
The dates will be asked in the format year,month,day  
where it is assumed that:  
    - years may be between 1901 and 2099  
    - all months have 30 days
```

```
Please follow the system prompts  
-----
```

```
Please provide the first (earliest) date
```

```
year (between 1901 and 2099 inclusive): 1901  
month: 1  
day (between 1 and 30 inclusive): 1
```

```
Please provide the second (latest) date
```

```
year (between 1901 and 2099 inclusive): 2001  
month: 2  
day (between 1 and 30 inclusive): 1
```

```
First result  
-----
```

```
The number of days since 1901,1,1 to ...:
```

```
1901,1,1 is: 0  
2001,2,1 is: 36030
```

```
Second result  
-----
```

```
The difference in days is: 36030
```

```
Third (and last) result  
-----
```

```
The difference in days is expressible also as: 100 years, 1 months and 0 days
```

```
End of the program! Bye!
```

```
>>>
```