```
In [73]:   1  # Example of two separate records for the same EMR
           2  all_tissue[all_tissue['EMR'] == 668790.0]
```

Out[73]:

	EMR	Full Name	Type	#	Date In - 1	Date_In_num
1247	668790.0	Last668790, First668790	embryo	2.0	3/15/16	3
2152	668790.0	Last668790, First668790	oocyte	17.0	3/15/16	3

Question 7

Question: *Given the list from question 6, within each specimen type, the clinic has decided to charge each patient only for their oldest record (based on the 'Date In'). In addition, some records have been highlighted in red and should not be billed.*

Identify all records as billable or non-billable.

1. Check for duplicates and nulls

```
In [74]:   1  # # Check for null Last Name in red_rows --> no nulls
           2  # red_rows[red_rows['Full Name'].isnull()]
```

```
In [75]:   1  # # Check for duplicate Last Name in red_rows --> no dups
           2  # red_rows[red_rows['Full Name'].duplicated() == True]
```

```
In [76]:   1  # # Check for null Last Name in all_tissue --> no nulls
           2  # all_tissue[all_tissue['Full Name'].isnull()]
```

```
In [77]:   1  # # Check for duplicate Last Name in all_tissue
           2  # all_tissue[all_tissue['Full Name'].duplicated() == True]
```

```
In [78]:   1  full_name_dups = list(all_tissue[all_tissue['Full Name'].duplicated() == True]['Full Name']
           2
```