Class Exercise – DataFrame Missing Values

Instructions:

Use the provided DataFrame below and implement the following tasks clearly using Pandas:

```
import pandas as pd

df = pd.DataFrame({
    'A': [None, 2, 3, None, 5],
    'B': [10, None, None, 40, 50],
    'C': [100, None, 300, 400, None]
})
```

Tasks:

1. **Eliminate any row in the DataFrame that contains at least one NaN value.**

2. **Modify the previous task and eliminate only those rows which have NaN values across all columns.**

3. **Eliminate all rows that have at least one NaN value specifically in columns 'A' and 'C'.**

4. **Replace all NaN values in the DataFrame with a specified value of your choice.**

5. **Replace all NaN values in column 'B' with the mean of the non-NaN values in that column.**