

Today, please code Program 2 from Project 35d; it is the `public static Graph merge(Graph G, Graph H)` method. Upload the code for this method in Microsoft Teams.

Pseudocode for `merge`:

```
public static Graph merge(Graph G, Graph H)
    Create a new graph object M
    For v in G.V add v to M
    For e in G.E add e to M
    For v in H.V add v to M
    For e in H.E add e to M
    Return M
```

Make sure *not* to set `M.V = G.V`. Why?