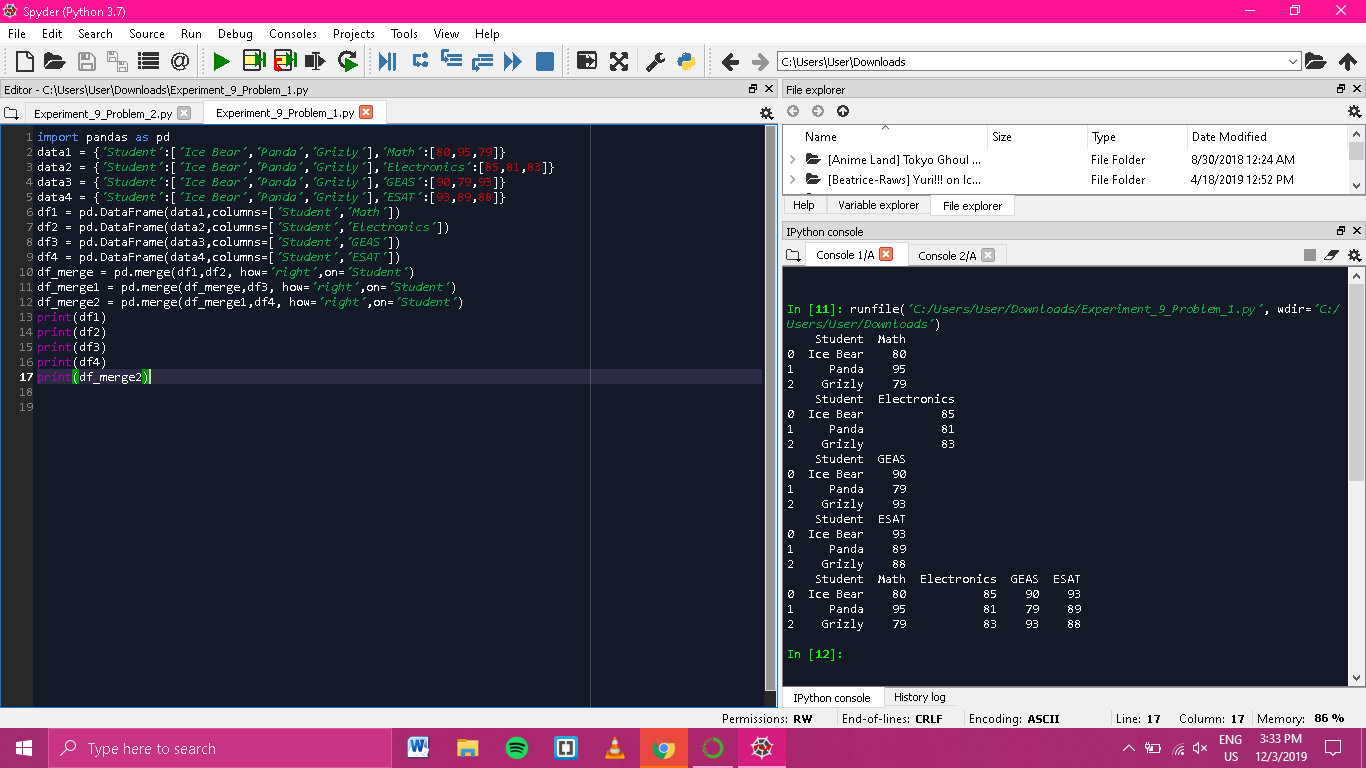
**PROBLEM 1:**



**PROBLEM 2:**

