1. Write the **Student** class so that the following code generates **the output below:**

| **class FinalExam:**  **def \_\_init\_\_(self, name):**  **self.\_\_name = name**    **def setName(self, name):**  **self.\_\_name = name**    **def getName(self):**  **return self.\_\_name**  **def \_\_str\_\_(self):**  **return self.\_\_name**    **def printDetails(self):**  **return f'I wish there were no finals'**  **###Write your code here**  **t1 = Student('Andy','18101201', 'CSE')**  **print(t1)**  **print(t1.printDetails())**  **print("=================================")**  **t2 = Student('George','19101311', 'CSE')**  **print(t2)**  **print(t2.printDetails())**  **print("=================================")**  **t3 = Student('Mina', '19201421', 'BBA')**  **print(t3)**  **print(t3.printDetails())**  **print("=================================")**  **t4 = Student('John', '18401221', 'BBA')**  **print("=================================")**  **print(t1+t3)**  **print("=================================")**  **print(t1+t2)**  **print("=================================")**  **print(t2+t3)**  **print("=================================")**  **print(t2-t4)** | **Output:**  **Question khub easy!!!**  **Student Name: Andy Id: 18101201 Department: CSE**  **Yesss! Miltese code ta**  **Kintu pass korte hole final exam to ditei hobe!!**  **Total number of Students: 1**  **=================================**  **Question khub easy!!!**  **Student Name: George Id: 19101311 Department: CSE**  **Yesss! Miltese code ta**  **Kintu pass korte hole final exam to ditei hobe!!**  **Total number of Students: 2**  **=================================**  **Question khub easy!!!**  **Student Name: Mina Id: 19201421 Department: BBA**  **Yesss! Miltese code ta**  **Kintu pass korte hole final exam to ditei hobe!!**  **Total number of Students: 3**  **=================================**  **Question khub easy!!!**  **=================================**  **Andy and Mina are friends now!**  **Andy has total 1 friends now**  **Mina has total 1 friends now**  **=================================**  **Andy and George are friends now!**  **Andy has total 2 friends now**  **George has total 1 friends now**  **=================================**  **George and Mina are friends now!**  **George has total 2 friends now**  **Mina has total 2 friends now**  **=================================**  **George and John are enemies!** |
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