

## Question1

Read below data into SAS and store it as **students** dataset in work library. (Use relative pointer controls, there are 2 spaces between Amelia and 17 and 2 spaces between 17 and 02AUG2000)

David	19	13JUN1998
Amelia	17	02AUG2000

## Question2

Write a working SAS code to answer the following questions using **cars.sas7bdat**.

- Create a new character variable **MPG**. Assign a value of 'Low' to the new **MPG** if the **MPG\_CITY** column is less than 20, and assign a value of 'Medium' to the new **MPG** if the **MPG\_CITY** is greater than or equal to 20 and less than or equal to 25, and assign a value of 'High' if the **MPG\_CITY** has a value greater than 25.
- Subset the data by conditioning **MPG**='Low' and **TYPE**='SUV'. Call this SAS dataset **LOWSUVMPG** and keep **ORIGIN, MAKE, TYPE, MPG, MPG\_CITY, MPG\_HIGHWAY**.

## Question3

Write a data step that combines datasets **spec1** and **spec2** into one dataset **work.spec**. Rename variables in **spec1** to match variables in **spec2**. Display **work.spec**.

## Question4

- Sort dataset **mylib.spec1** by **Common** into a temporary dataset **work.sort1**.
- Sort dataset **mylib.spec2** by **Common** into a temporary dataset **work.sort2**.
- Create a new temporary data set called **merged** by merging the **sort1** and **sort2** datasets by the variable **Common**.