

## February 2, 2016 Handout

Download the project on my website ([www.EdwinCKC.com/teaching](http://www.EdwinCKC.com/teaching))

Student instance

1. Attributes:
  - - sid : int
  - - grade : int
  - - firstName : String
  - - lastName : String
2. Two constructors:
  - one that allows you to specify just the first name
  - one that specifies both first and last names
3. One *set* method:
  - Set the grade (int)
4. Three *get methods*:
  - one that returns the grade
  - one that returns the SID
  - one that returns the name
5. A method to change the name (both first name and last name) of the student.
6. A *toString()* instance method to print out the student's name, sid, and grade.

Student class

1. Attributes:
  - - totalGrade : int;
  - - numberOfGrades : int;
  - - lowestGrade : int;
  - - highestGrade : int;
  - - uniqueSID : int;
2. Four *get methods*:
  - one that returns the number of grades entered
  - one that returns the sum of all grades
  - one that returns the lowest grade
  - one that returns the highest grade
3. A method to return the average grade (double).
4. A method to print out all the stats:
  - number of grades
  - sum of grades
  - average grade
  - lowest grade
  - highest grade