Matt Smitherman

CSC 339-01

Project 1

3/23/2018

**Mtsmithe\_Undergrad.cpp Output:**

Static call of print() in \_undergrad:

Name: Mary

SSN: 000111222

Credits: 12

GPA: 4

Year: Junior

Tuition: $4560

Static call of tuition() in \_undergrad: $4560

Dynamic call of print() in \_undergrad:

Name: Mary

SSN: 000111222

Credits: 12

GPA: 4

Year: Junior

Tuition: $4560

Dynamic call of tuition() in \_undergrad: $4560

Static call of print() in Grad:

Name: David

SSN: 111222333

Credits: 9

GPA: 3.7

Title: graduate student

Tuition: $4500

Thesis: How to learn data structures using C++/STL

Static call of tuition() in Grad: $4500

Dynamic call of print() in Grad:

Name: David

SSN: 111222333

Credits: 9

GPA: 3.7

Title: graduate student

Tuition: $4500

Thesis: How to learn data structures using C++/STL

Dynamic call of tuition() in Grad: $4500

Static call of print() in GradAsst:

Name: Jason

SSN: 222333444

Credits: 9

GPA: 3.9

Title: graduate assistant

Tuition: $4500

Thesis: Design of efficient algorithms

Pay: $20

Supervisor: Dr. Fu

Task: Grading 330 projects and implementing a data mining algorithm

Static call of tuition() in GradAsst: $4500

Dynamic call of print() in GradAsst:

Name: Jason

SSN: 222333444

Credits: 9

GPA: 3.9

Title: graduate assistant

Tuition: $4500

Thesis: Design of efficient algorithms

Pay: $20

Supervisor: Dr. Fu

Task: Grading 330 projects and implementing a data mining algorithm

Dynamic call of tuition() in GradAsst: $4500

Students printed from list data structure after moving last student to front:

Name: SSN: Year: Credits: Tuition: GPA:

Louise 888777666 Freshman 9 $$$$$$3420 3.6

Mary 000111222 Freshman 12 $$$$$$4560 4

Bob 999888777 Freshman 15 $$$$$$5700 2.7

Students by GPA in ascending order (if A's GPA < B's GPA then A is printed first):

Name: Bob

SSN: 999888777

Credits: 15

GPA: 2.7

Year: Freshman

Tuition: $5700

Name: Louise

SSN: 888777666

Credits: 9

GPA: 3.6

Year: Freshman

Tuition: $3420

Name: Mary

SSN: 000111222

Credits: 12

GPA: 4

Year: Freshman

Tuition: $4560

Press any key to continue . . .