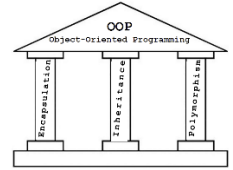## 3 Pillars of OOP

- This is a standard run.
    - Language preference: English
    - Time Zone preference: PST
- Please allocate enough time to read and understand the flow of the program. The provided UML class diagrams should help analyze the output.
- The color-coded arrows in this documentation point at important details.

- *Your program's output must be __identical__ except for the value of the timestamps, the student name, and the student email address. Please use your name and your email address.*
- *This document is in black and white for easy note-taking. The final output you submit must show colors, same as required in Sample Output 05.*
- *Please bring your questions to class.*

```
------------------------------------------------------------------------
-------------------- SF GIANTS THANK YOU --------------------------
------------------------------------------------------------------------
                                       powered by CSC 220 @ SFSU
Language: English
Time Zone: PST
------------------------------------------------------------------------
Language:               ENGLISH
Time Zone:              Pacific Standard Time in Day Light Saving
Color Sequences:        ANSI
Standard Output Log:    ./src/assignment02PartB/log/StandardOut.log
Standard Error Log:     ./src/assignment02PartB/log/StandardErr.log
Receipt Log:            ./src/assignment02PartB/log/Receipt-*-*.log
Default University:     San Francisco State University
Default Club:           San Francisco Giants
------------------------------------------------------------------------
2021/06/06 02:04:11 [0228 ms] PM PDT - Chat session started.

SF Giants: Welcome to the SAN FRANCISCO GIANTS!
------------------------------------------------------------------------
Club:                   San Francisco Giants
Short Name:             SF Giants
Established in:         1883
Colors:                 Orange, Black, Gold, Cream
Ballpark:               Oracle Park
World Series Titles:    8
NL Pennants:            23
Division Titles:        8
Wild Card Berths:       3
Owners:                 San Francisco Baseball Associates LLC
President:              Farhan Zaidi
General Manager:        Scott Harris
Manager:                Gabe Kapler
------------------------------------------------------------------------

SF Giants: Your first name and last name, please: Duc Ta
SF Giants: Your school email address, please: dta@sfsu.edu
Duc Ta: Welcome to my university!
------------------------------------------------------------------------
Official Name:          San Francisco State University
Motto in Latin:         Experientia Docet
Motto in English:       Experience Teaches
Type:                   Public
Year of Establishment:  1899
```

1

```
Location:               San Francisco, California, United States
Address:                1600 Holloway Avenue, San Francisco, CA 94132
Colors:                 Purple, Gold
Nickname:               Gators
Mascot:                 Gator
Website:                www.sfsu.edu
----------------------------------------------------------------------
SF Giants: Thank you. We are connecting you with our player...
. . . . .
----------------------------------------------------------------------
Player:                 Buster Posey
Club:                   San Francisco Giants
Position:               Catcher
Number:                 28
Bats:                   Right
Throws:                 Right
MLB Debut:              2009
----------------------------------------------------------------------
. . . . .
Buster Posey, 28: Hello Duc. C-O-N-G-R-A-T-U-L-A-T-I-O-N-S!
Buster Posey, 28: SAN FRANCISCO STATE UNIVERSITY. Way to go!
Duc Ta: Thank you, Posey! Nice to e-meet you here!
Buster Posey, 28: Likewise, Duc. Very nice chatting w/ you.
Buster Posey, 28: How many SF Giants Thank You cards would you like to order?
Duc Ta: 3
Buster Posey, 28: In 3 lines, please provide
    [1] Recipient name
    [2] Art symbol (a character)
    [3] Message to recipient
Buster Posey, 28: Card #1:
Duc Ta: [1] Mom
Duc Ta: [2] @
Duc Ta: [3] Thank you very much, Mom <3
Buster Posey, 28: Card #2:
Duc Ta: [1] Dad
Duc Ta: [2] #
Duc Ta: [3] Thank you, Dad!
Buster Posey, 28: Card #3:
Duc Ta: [1] Friends
Duc Ta: [2] $
Duc Ta: [3] Yahoooooooooooo!!!!!
Buster Posey, 28: Thanks, Duc. Please confirm your order:

SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF
SF                                                                                        SF
SF      @@@@@@ @@                      @@                                        @@@@      SF
SF        @@   @@                      @@                                    @ @@  @@      SF
SF        @@   @@ @@    @@@@ @@ @@ @@  @@    @@ @@@@ @@ @@         @@@      @@      SF
SF        @@   @@@ @@ @   @@ @@@ @@ @@ @@    @@  @@@@  @@ @@ @@    @@@      @@@     SF
SF        @@   @@  @@   @@@@ @@  @@ @@@@     @@ @@ @@ @@ @@ @@   @@          @@     SF
SF        @@   @@  @@  @@ @@ @@  @@ @@@@@    @@ @@ @@ @@ @@ @@   @@@         @@     SF
SF        @@   @@  @@ @@  @@ @@  @@ @@ @@    @@ @@ @@ @@ @@ @@     @@@       @@     SF
SF        @@   @@  @@ @@  @@ @@  @@ @@ @@     @@@ @@  @@ @@ @@@      @ @@  @@       SF
SF        @@   @@  @@  @@@@@ @@  @@ @@  @@    @@@    @@@@   @@ @@          @@@@     SF
SF                                             @@                                 SF
SF                                            @@@                                 SF
SF                                                                                SF
SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF
SF                                                                                        SF
SF       Mom,                                                                             SF
SF               Thank you very much, Mom <3                                              SF
SF       Love,                                                                            SF
SF       Duc                                                                              SF
SF                                                                                        SF
SF                              dta@sfsu.edu / Take Me out to the Ball Game     SF
SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF
```

```
SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF
SF                                                                                        SF
SF      ###### ##                      ##                                      ####       SF
SF        ##   ##                      ##                                   # ##  ##      SF
SF        ##   ## ##   #### ## ## ## ## ##   ## #### ## ##      ###    ##    SF
SF        ##   ### ## #   ## ### ## ## ##   ##   #### ## ## ##    ###    ###  SF
SF        ##   ## ##   #### ## ## #### ##     ## ## ## ## ## ##  ##       ##   SF
SF        ##   ## ##   ## ## ## ## ##### ##     ## ## ## ## ## ##  ###       ##   SF
SF        ##   ## ## ## ## ## ## ## ## ##     ## ## ## ## ## ##  ###    ##   SF
SF        ##   ## ## ## ## ## ## ## ##   ### ## ## ## ###    # ## ##   SF
SF        ##   ## ## ##### ## ## ## ##   ###  #### ## ##     ####     SF
SF                                                 ##                                      SF
SF                                                ###                                      SF
SF                                                                                         SF
SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF
SF                                                                                         SF
SF      Dad,                                                                               SF
SF             Thank you, Dad!                                                             SF
SF      Love,                                                                              SF
SF      Duc                                                                                SF
SF                                                                                         SF
SF                                      dta@sfsu.edu / Take Me out to the Ball Game    SF
SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF


SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF
SF                                                                                         SF
SF      $$$$$$ $$                      $$                                      $$$$        SF
SF        $$   $$                      $$                                   $ $$  $$       SF
SF        $$   $$ $$   $$$$ $$ $$ $$ $$ $$   $$ $$$$ $$ $$      $$$    $$    SF
SF        $$   $$$ $$ $   $$ $$$ $$ $$ $$   $$   $$$$ $$ $$ $$    $$$    $$$  SF
SF        $$   $$ $$   $$$$ $$ $$ $$$$ $$     $$ $$ $$ $$ $$ $$  $$       $$   SF
SF        $$   $$ $$ $$ $$ $$ $$ $$ $$$$$     $$ $$ $$ $$ $$ $$  $$$       $$   SF
SF        $$   $$ $$ $$ $$ $$ $$ $$ $$   $$ $$ $$ $$ $$ $$  $$$    $$   SF
SF        $$   $$ $$ $$ $$ $$ $$ $$ $$   $$$ $$ $$ $$ $$$    $ $$ $$   SF
SF        $$   $$ $$ $$ $$$$$ $$ $$ $$ $$   $$$  $$$$  $$ $$     $$$$     SF
SF                                                 $$                                      SF
SF                                                $$$                                      SF
SF                                                                                         SF
SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF
SF                                                                                         SF
SF      Friends,                                                                           SF
SF             Yahoooooooooooo!!!!!                                                        SF
SF      Love,                                                                              SF
SF      Duc                                                                                SF
SF                                                                                         SF
SF                                      dta@sfsu.edu / Take Me out to the Ball Game    SF
SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF GIANTS - - - - SF

Duc Ta: Very nice! Thank you, Posey.
Buster Posey, 28: Thank you again, Duc. See you at your graduation ceremony!

SF Giants: *** FREE TICKETS to SF GIANTS Games *** _ 1 miss allowed _
SF Giants: Which type of class has 'protected' constructors?
Duc Ta: abstract
SF Giants: Correct!
SF Giants: What type of method did Java 8 add to 'interface'?
Duc Ta: default
SF Giants: Correct!
SF Giants: What new keyword did Java 13 add to 'switch' statement?
Duc Ta: yield
SF Giants: Correct!
SF Giants: In Java 15, what keyword pairs with 'sealed'?
Duc Ta: permits
SF Giants: Correct!
SF Giants: Giants in Spanish?
Duc Ta: Gigantes
```

```
SF Giants: Correct!
SF Giants: Take me out to the...?
Duc Ta: Ball Game
SF Giants: Correct!
*** Congrats! You won FREE TICKETS to SF GIANTS Games ***
2021/06/06 02:08:34 [0334 ms] PM PDT - Chat session ended.
```