CS 160
CS Orientation

Finish Looping
Odds and Ends...

• Demo Assignment #3 this week
• Career Fair, 10/22 10-4pm Alumni Center
• Sign up for Social (I’ll send out location tomorrow!)
In-class Exercise #2

• Explain these terms: Conditional execution, repetition, for versus while loop

• Explain what each of line in this code does and tell me what the output is:
  
y=0;
  for x in range(10):
    if(x%2):
      y=y+1;
  print(y);

• Write a loop to print the following picture:
  
  print("   *   ");
  print("  ***  ");
  print(" ***** ");
  print("*******");

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y=0;
for x in range(10):
    if(x%2):
        y=y+1;
    print(y);

# print the triangle below
#
# *
# ***
# *****
#
spaces = 3; # start with three spaces
stars = 1; # start with one star
for x in range(4): # for the 4 lines
    for s in range(spaces): # print number of spaces
        print(" ", end="")
    for st in range(stars): # print number of stars
        print("*", end="")
    print(" ");
    spaces-=1; # there is one less space for each row
    stars+=2; # there is 2 more stars for each row