

Due: 6th period, Tuesday 10/25  
7th period, Wednesday 10/26

Today is more practice for our quiz that is next class. Doing this assignment well will help you with the quiz. Create a Python replit assignment named day32 review.

1. Use a for loop to print 25 random numbers (each between 1 and 5 inclusive) all on the same line. Then print a blank line.
2. Write a for loop that prints the numbers 10 down to 1 (counting down backwards), one number on each line. Then print a blank line. In fact, print a blank line after every single part. Thanks. 😊
3. Write a for loop to print the numbers 100 through 140 in 3 columns separated by tabs.
4. Write a function that accepts a piece of text and then prints it in a box as shown here. Your code works with any length text. Add tests to print two different phrases that have different lengths.

```
*****
* H *
* a *
* y *
* s *
*****
```

5. Write code to create a list with your four favorite animals in it, then print the list using a for loop, one animal per line. Do not use a break command. Do not ask the user to enter anything.
6. I put some test scores into a list variable as shown. Write code that **uses a for loop** to go through the list, add up all the values, and then report the average. Your code must work for any list, not just this exact list (so instead of hard-coding that there are 9 items in the list you would use `len(scores)` to find out how many items are in the list. Use this actual data (copy this line from the PDF).

```
scores = [81, 45, 98, 53, 64, 84, 77, 60, 93]
```

The correct answer for the average of these numbers is `72.77777777777777`. The idea of this part is that if I changed the list of numbers, your code would still find the average accurately.

7. Write code that uses a try/except structure with an input command to request an integer value greater than 100 from the user. Include one error message to the user on `ValueError` and a different one if the number is not greater than 100. Once the user enters a proper number, print "Thanks" that many times using this line: `print("Thanks"*num)`
8. Write a function `doit(name)` which accepts a name and prints this:

```
    Hays
  Hays
Hays
Hays
```

Because my name is 4 characters, the function prints 4 spaces, then my name, then 3 spaces and my name, and so on. Your code should work with any length text. After you write the function, add two tests with phrases of different lengths.