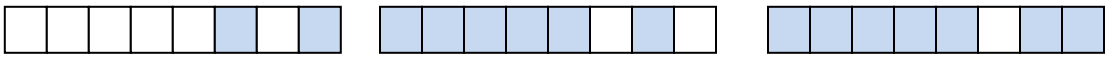
AP Computer Science

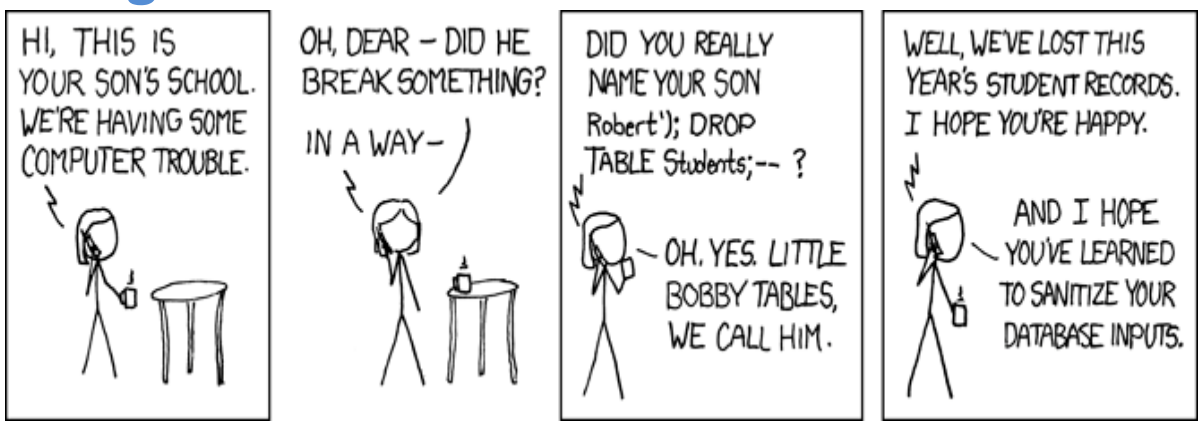
mr Hanley

Assignment $5/101_2/5_8/5_{16}$

Binary **Ones Comp** **Twos Comp**



Strings



Write a class that features a series of String methods

Write a collection of String methods

1. Have the user enter a song title. Count the number of words in the song title
2. Build a String of Pascal's Triangle according to the number of rows input
   - Examples;

     Input 4:

     Returns

```
          1
      1       1
  1       2       1
1   3   3   1
```

String*Arrays*ArrayList*Client Server*Artificial Intelligence*Inheritance*Files*Video Games*Short circuit evaluation*

* Dynamic Memory *Big O Notation*Stacks *Extreme Programming*Selection Sort*Insertion Sort*Waterfall Model

Input 5:

Returns

```
                1
            1       1
        1       2       1
    1       3       3       1
1       4       6       4       1
```

For #'s 3 and 4, see Josh Komoroske's HTTPGET.java class on mr Hanley's WebSite
Your methods must connect to the internet live!!!!

3. Given a typical html file, write a method that returns the title
4. Given a typical html file, write a method that returns an array of strings, each array element contains one of the hyperlinks on the page
   public String[] findLinks(String page)
5. Allow a user to enter two strings, print out the result of the first compareTo'd the second
6. Prompt the user for an alpha-numeric password.
   a. Then decide if the password is at least 6 characters. If the password is less than 6 characters, give the user an error message. If the password is greater than or equal to 6 characters, then output the message "Password OK"
   b. Also confirm that at least one of the characters is non alphabetical (symbol or number)
   c. If the character is not sufficient length or doesn't contain at least one non-alphabetical character, then loop again until they enter a sufficient password

Project Name	Assign 5 String Practice
Class 1 Name	StringMethods
Class 2 Name	HTTPGET
Class 3 Name	StringClient

Rubric	
Song Title	**20**
Pascal's Triangle	**35**
Get the Title	**20**
Get the Links	**40**
Compare To	**10**
Password Checker	**25**
TOTAL	**150**