

AP Computer Science

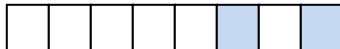


mr Hanley



Assignment 5/10₁₂/5₈/5₁₆

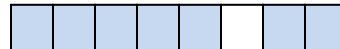
Binary



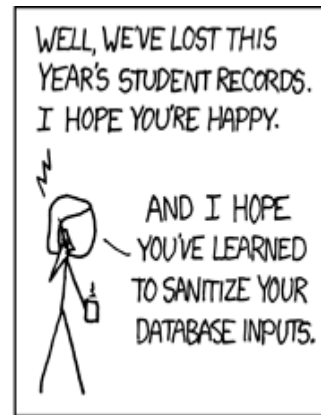
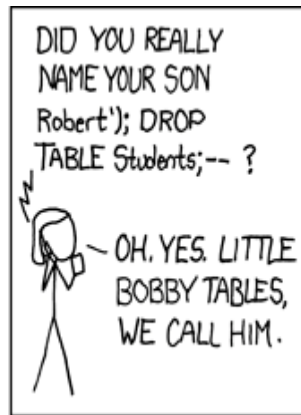
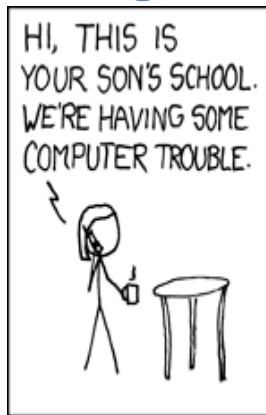
Ones Comp



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

o Examples;

Input 4:

Returns

```

      1
     1 1
    1 2 1
   1 3 3 1

```

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