

Homework

Grade 11 Review 4 – Strings

1. **MakeUppercase.java:** Code a program which changes a string to it's upper case equivalent. Note: only lower case letters should be changed.

Example:

Input: Enter string: Abracadabra!

Output: Uppercase Equivalent: ABRACADABRA!

2. **Encrypt.java:** Code a program which encrypts a line of code. The encryption specifications are as follows:

- first and last character of each string are exchanged.
- Middle characters of each string are shifted to the character two after it in the ASCII table (works for non-letters as well.)
- spaces are left alone
- careful with strings less than 3 characters

Example:

Input: Enter a line to be encrypted: Happy Days!

Output: The encryption is: ycerrH !c{uD

3. **AddDigits.java:** Write a program that outputs the sum of each digit in a number entered by the user.

Example:

Input: 95684

Output: 32
 (9+5+6+8+4)

4. **AddPairs.java:** Write a program that divides a number entered by the users into a set of two digits numbers (if the number has odd number of digits, the last number is only one digit), then output the sum of the set of numbers.

Example:

Input: 239403854

Output: 209
 (23+94+3+85+4)