**Amateur Coding Challenges 10/24/2017**

1. Write a function to calculate a person’s age based on the date entered in the format MM/DD/YYYY.

Example:

Input: 11/04/1982

Output: 34

2. Write a function to convert a string into an array of words.

Example:

Input: “Trick or Treat”

Output: [‘Trick’, ‘or’, ‘Treat’]

3. Write a function to count the number of occurrences of a substring in a given string.

Example:

Input: “The pumpkin rolled down the hill and under someone’s car.”, “the”

Output: 2

4. Write a function to remove these special characters from a string:

~,!,$,&,%, ,#,@,-,\_,^,? (yes, “space” is a character in that list)

Example:

Input: “Happy ~!&$%#@- Halloween”

Output: “HappyHalloween”

Input: “I’ll bet living in a nudist-colony takes all the fun out of Halloween!!”

Output: “IllbetlivinginanudistcolonytakesallthefunoutofHalloween”

5. Write a function called “multiply” that takes two integers and returns the product. You are NOT allowed to use the \* operator or any imported multiplication function. We will check your code.

Example:

Input: multiply(5, 6) Input: multiply(-1, 15) Input: multiply(-2, -7)

Output: 30 Output: -15 Output: 14