

CS111 Assignment 8

1. Write a program that uses the following recursive functions:
 - a. `int bigDown(int x)` that subtracts 1 from every digit of the given integer parameter that is 5 or larger
 - b. `int even(int x)` that deletes all odd digits from a positive integer parameter.
 - c. `int useRecursion(int x)` that returns the sum of the first two digits in a positive number. If there is only one digit, that digit is returned.

Use the given main function provided as below:

```
int main() {
    cout << bigDown(10) << endl;           // prints 10
    cout << bigDown(2654) << endl;        // prints 2544
    cout << bigDown(19683) << endl;       // prints 18573
    cout << evens(16) << endl;            // prints 6
    cout << evens(666) << endl;           // prints 666
    cout << evens(777) << endl;           // prints 0
    cout << useRecursion(567982) << endl; //prints 11
    cout << useRecursion(107982) << endl; //prints 1
    cout << useRecursion(7) << endl;      //prints 7
    return 0;
}
```