

Assignment #2

1. Write a Python program to find those numbers which are divisible by 7 and multiple of 5, between 1500 and 2700 (both included).
2. Write a Python program to convert temperatures to and from Celsius, Fahrenheit.
(Hint: Enter- 45F or 98C) Formula: $C = (5/9) * (F - 32)$
3. Write a Python program to get the Fibonacci series between 0 to 50.
(Hint: initially a=0, b=1 and a=a+b, b=a+b) 0, 1, 1, 2, 3, 5, 8, 13, 21
4. Write a Python program which iterates the integers from 1 to 50. For multiples of three print "Fizz" instead of the number and for the multiples of five print "Buzz". For numbers which are multiples of both three and five print "FizzBuzz".
5. Write a Python program that accepts a string and calculate the number of digits and letters.
(Hint: c.isdigit() and c.isalpha())
6. Write a Python program to print alphabet pattern 'Z'.

```
*****
 *
 *
 *
 *
 *
*****
```

7. Write a Python program to print the following patterns.
Expected Output:

```
****
*
*
***
 *
 *
****
```

8. Write a Python program to construct the following pattern, using a nested loop number. Go to the editor
Expected Output:

```
1
22
333
4444
55555
666666
7777777
88888888
999999999
```

9. Write a Python program that accepts a word from the user and reverse it. (Without word[::-1])
10. Write a Python program to calculate the sum and average of n integer numbers (input from the user). Input 0 to finish.