Midterm Preparation 2

- 1. Write a program that asks a person for her height in inches and prints out the height in centimeters.
- 2. Write a program that prints out all cube numbers between 1 and 100000.
- 3. Write a program that prints out 20 random integers between 1 and 100 using the random module and the random.randint(1,100) function.
- 4. Modify the previous problem to print out random integers between 1 and 100 until their sum exceeds 5000.
- 5. Write a function that takes a string as input and returns the same string with all consonants replaced by the symbol "!".
- 6. Write a function that takes a string as input and returns the number of vowels in the string.
- 7. Write a function that returns the scrabble value of a string. The value of the letters are in the following table.

Letter	Points
eaionrtIsu	1
d g	2
b c m p	3
f h v w y	4
k	5
jх	8
q z	10
everything else	0