

Assignment - Advanced Python

1. Given a number A and a digit B. Find the frequency of digit B in the number A. Return the frequency of digit B.

2. You are given lowercase string (A) and you have to return after reversing that.

3. You are given lowercase string (A) and you have to tell the count of vowels and consonants in it.

4. You are given uppercase string (S) and you have to return a string that is the lower case form of S.

Uppercase strings are those which have all letters in uppercase (Example: MACHINE)

Lowercase strings are those which have all letters in lowercase (Example: machine)

5. Given the temperature of a day in Degrees Celsius, convert this given temperature from Celsius to Fahrenheit. Complete the function to do so. Round the output up to 2 decimal places

6. Write a program to calculate the total amount if the principal amount, simple interest rate per annum, and time in the number of days are given. The simple interest rate per annum is provided as a percentage. Assuming that there are 365 days in a year, print the total amount rounded up to 2 decimal places.

7. Write a program that takes the cost price of a vehicle as an argument and returns the road tax, that the vehicle owner has to pay according to the following criteria:

Cost price (in Rs)	Tax
> 1,00,000	20 %
> 75,000 and <= 1,00,000	15%
> 50,000 and <= 75,000	10%
<= 50,000	5%