

## Homework 2

Please write a python method for each question and submit your solution to SUCourse+ before due date.

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Submission Rules;

- You should create only one file for all questions
- You should put your solutions into separate cells.
- Your file names should contain your name and last name.

E.g.

**AhmetDemirelliHomework2.ipynb**

- You cannot use Turkish characters in your file names or variable names
- You should write the question number as a comment before each method name.

E.g.

**#Question 2**

**def splitAndCalculateSums ( numbers ):**

.....

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1. **Write a method that returns the middle 3 characters of a given text.**

**If the length of the given string is not odd it should return ;**

**“Please enter a string with odd length”**

**If the length of given string is less than 3 it should return;**

**“Length of the given string should be greater than 3”**

E.g.:

given string -> programming

returns -> ram

given string -> eat

returns -> eat

given string -> hola

returns -> Please enter a string with odd length

given string -> hi

returns -> Length of the given string should be greater than 3

2. **Write a method that takes one list of integers as input, splits array into 3 chunks with equal sizes, then calculates the sum of numbers in each chunk and return 3 calculated sums of chunks.**

given integer array -> [1,2,3,4,5,6,7,8,9]

returns -> 6, 15, 24

given integer array -> [1,1,1,1,2,2,2,3,3,3,3]

returns -> 4, 8, 12

given integer array -> [1,2,3,4,5,6,7,8,9,10]

returns -> “can not be divided into 3 chunks”

3. **Write a method that takes a text and returns the text by reversing each word.**

given text -> "Ali Ahmet Zeynep"  
returns -> ilA temhA penyeZ

( Do not reverse whole text : wrong!! → penyeZ temhA ilA )

given text -> "abc def"  
returns -> "cba fed"

4. **Write a method that returns the same elements from the given 2 lists.**

given lists ->

["Elma", "Armut", "Mandalina", "Portakal", "Erik"]

["Kavun", "Elma", "Çilek", "Mandalina", "Ceviz", "Üzüm", "Erik", "Badem"]

returns -> ["Elma", "Mandalina", "Erik"]

5. **Write a method that takes a string and returns the same string as show below.**

Input string → "sabanciuniversity"

Output string → "sAbAnCiUnIvErSiTy" (even indexes are uppercase)