ASSIGNMENT 1

1. Create a dictionary with 4 key-value pairs (e.g., populate with "fruit":"price").

- Print the keys of the dictionary.
- Print the length of the dictionary.
- Add one more key-value pair to the dictionary.
- Delete one key-value pair from the dictionary.
- Print the length of the keys of the dictionary.

2. Write a program to check if the program is palindrome or not.

ASSIGNMENT 2

1. Check if number is even or not.

2. Write a function named pig_latin
   - If the word starts with a vowel, add ‘ay’ to the end
   - If the word does not start with a vowel, put first letter at the end, then add ‘ay’
   - Word→ orday
   - Apple→appleay

ASSIGNMENT 3

1. Starting from a fresh file, write a function **square_nums** that takes a list of numbers between 0 and 10 as input, squares each it in the list, and returns another list with all the squared numbers.

   - Call your function, harvesting the returned squared list in a variable **my_squared_list**.
   - Print the items of **my_squared_list**
   - Save your file as **square.py**
   - From the command line, run your script (Hint: run **python square.py**)

2. Run the function "yearly_raise()" on a salary = 85000

- Create a database of book prices with entries
- The database can be a dict, with "key" as book name and "value" as price
- Create a "sale" function that returns the price of a book after a 10% di scount of its total price
- Use the funtion to print all the 5 entries in the database and their new prices