You'll be working with various Python collections and exploring the concepts of map and filter functions.

**Tasks:**

**List Operations:**

* Create a list of integers containing numbers from 1 to 10.
* Append the square of each number to the list.
* Find and print the sum of all elements in the list.

**Tuple Operations:**

* Create a tuple containing the first five even numbers.
* Find and print the product of all elements in the tuple.

**Set Operations:**

* Create two sets of odd numbers between 1 to 10.
* Find and print the union of the two sets.
* Find and print the intersection of the two sets.

**Dictionary Operations:**

* Create a dictionary where keys are the first five lowercase alphabets and values are their respective ASCII values.
* Print the dictionary.

**Functional Programming:**

* Define a function square(x) that returns the square of x.
* Use the map function to apply the square function to each element in a list of integers from 1 to 10 and print the result.

**Submission:**

* Submit a jupyter notebook containing your code along with the outputs for the tasks mentioned above. Need to upload it to your github folder.
* Make sure to include comments to explain your code logic.
* Ensure your code is properly formatted and readable.

**Note:**

* You can test your code with different inputs to validate its correctness.
* Aim for efficiency and readability in your code implementation.