## 677. Map Sum Pairs

## Description

Design a map that allows you to do the following:

- Maps a string key to a given value.
- Returns the sum of the values that have a key with a prefix equal to a given string.

Implement the MapSum class:

- MapSum() Initializes the MapSum object.
- void insert(String key, int val) Inserts the key-val pair into the map. If the key already existed, the original key-value pair will be overridden to the new one.
- int sum(string prefix) Returns the sum of all the pairs' value whose key starts with the prefix.

## **Example 1:**

## **Constraints:**

- 1 <= key.length, prefix.length <= 50
- key and prefix consist of only lowercase English letters.
- 1 <= val <= 1000
- At most 50 calls will be made to insert and sum.