

**Q: If the user wants to input a string as the key, which function in the above code should we modify? What method would you use to rewrite this function?**

The hash function would need to be modified to accept strings. Currently it performs division on the provided inputs which is incompatible with strings. You could create some custom hash methods that take a string and find the ASCII values for each character, sum the total of the characters and then use the remainder hash method. Or if you could use the Python built-in hashing method `hash()`. A final option would be to use the `hashlib` module and any of the methods like MD5, SHA-1, etc.