

# Hash Map

```
# Creating a hash table to store fruits based on their first letter
```

```
hash_table = {}
```

```
hash_table['A'] = 'Apple'
```

```
hash_table['B'] = 'Banana'
```

```
hash_table['O'] = 'Orange'
```

```
# Accessing a fruit based on its first letter
```

```
print(hash_table['A']) # Output: 'Apple'
```

```
print(hash_table['B']) # Output: 'Banana'
```

```
print(hash_table['O']) # Output: 'Orange'
```

h e l l o   o w o r l d

Initial state (no characters processed yet)

Current counts: {}

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