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MODULE 7

ANS 1:

```python
#Counting Currencies
n = int(input("Enter Number of Currencies: "))

distinct_countries = set()

for i in range(n):
    country = input(f"Enter the name of the country ({i + 1}/{n}): ").strip()
    distinct_countries.add(country)

print(f"Total number of distinct country currencies: {len(distinct_countries)}")
```

ANS 2:

```python
#Employee Data Update
employees = {
    "Sunny": 25000,
    "Ravi": 23000,
    "Vijay": 26000,
    "Messi": 30000,
}
name_to_remove = input("Enter the name of the employee to remove: ").strip()

if name_to_remove in employees:
    del employees[name_to_remove]
    print("Updated employee data:", employees)
else:
    print(f"Employee {name_to_remove} does not exist.")
```

ANS 3:

```python
#Check If Key Exists In A Dictionary

my_dict = {"a": 1, "b": 2, "c": 3}

key = input("Enter the key to check: ").strip()

if key in my_dict:
    print(f"The key '{key}' exists in the dictionary.")
else:
    print(f"The key '{key}' does not exist in the dictionary.")
```

ANS 4:

```python
#Mean And Standard Deviation Of Quiz Marks

import statistics

marks = list(map(int, input("Enter 7 integers with spaces: ").split()))

if len(marks) >= 7:
    mean = statistics.mean(marks)
    std_dev = statistics.stdev(marks)
    print(f"Mean is: {mean}")
    print(f"Standard Deviation is: {std_dev}")
else:
    print("Please enter at least 7 integers.")
```

ANS 5:

```python
#Longest Word In The List

num_words = int(input("Enter the number of words: "))

words = [input(f"Enter word {i + 1}: ") for i in range(num_words)]

longest_word = max(words, key=len)
print(f"The word with the longest length is: {longest_word}")
```

ANS 6:

```python
#Remove Key From Dictionary

my_dict = {"a": 1, "b": 2, "c": 3}

key_to_remove = input("Enter the key to remove: ").strip()

if key_to_remove in my_dict:
    del my_dict[key_to_remove]
    print("Updated dictionary:", my_dict)
else:
    print(f"The key '{key_to_remove}' does not exist in the dictionary.")
```