Bridge Course
Python List

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1.Write a Python script to accept a list of numbers from the user and print their sum and average.

```python
num = list(map(float, input("Enter numbers separated by spaces: ").split()))

total = sum(num)
average = total / len(num)

print(total)
print(average)
```

2. Write a Python script to accept a list of numbers from the user and print the numbers that are divisible by a specified number.

```python
numbers = list(map(int, input("Enter numbers separated by spaces: ").split()))
n = int(input("Enter divisor: "))

divisible = [x for x in numbers if x % n == 0]
print("Numbers divisible by", n, ":", divisible)
```

3. Write a Python script to accept a list of numbers from the user and print the reverse order of it in another list.

```python
numbers = list(map(int, input("Enter numbers separated by spaces: ").split()))

reversed_list = numbers[::-1]
print("Reversed list:", reversed_list)
```

4. Write a Python script to accept a list of numbers from the user and print the odd and even elements separately in a list.

```python
numbers = list(map(int, input("Enter numbers separated by spaces: ").split()))
```

```
even = [x for x in numbers if x % 2 == 0]
odd = [x for x in numbers if x % 2 != 0]

print("Even numbers:", even)
print("Odd numbers:", odd)
```

5. Write a Python script that accept a list of numbers and print the missing number in a list.
Input : n=8,. [1,2,3,4,6,7,8] , output: 5

```
n = int(input("Enter n: "))
numbers = list(map(int, input("Enter the numbers separated by spaces:
").split()))

for i in range(1, n + 1):
    if i not in numbers:
        print("Missing number is:", i)
        break
```