

```
# Program Starts

N = int(input("Enter the size of an array ::> "))
arr = []
for ele in range(N):
    inp = int(input("Enter the elements ::> "))
    arr.append(inp)

# print(arr)
def Modulo(rem):
    result = 1
    for val in arr:
        result = (result * val) % (rem)
    return(result)

print("Result 1: ", Modulo(109 + 7))
print("Result 2: ", Modulo(10 ** 9 + 7))
print("Result 3: ", Modulo(109 * 7))
```

```
↵ Enter the size of an array ::> 5
Enter the elements ::> 1
Enter the elements ::> 2
Enter the elements ::> 3
Enter the elements ::> 4
Enter the elements ::> 5
Result 1: 4
Result 2: 120
Result 3: 120
```