Q.27) Write a Python program to read list of positive integers and separate the prime and composite numbers

```
def prime_check(n):
if n < 2:
return False
for i in range(2, int(n ** 0.5) + 1):
if n % i == 0:
return False
return True

def prime_composite():

numbers = list(map(int, input("Enter positive integers separated by space: ").split()))

prime_nums = []
composite_nums = []


for num in numbers:
if num > 1:
if prime_check(num):
prime_nums.append(num)
else:
composite_nums.append(num)

print("Prime Numbers:", prime_nums)
print("Composite Numbers:", composite_nums)
```

prime_composite()