

```
def calculate_handshakes(num_people):  
    handshakes = (num_people * (num_people - 1)) // 2  
    return handshakes  
  
num_people = int(input("Enter the number of people in the room: "))  
  
max_handshakes = calculate_handshakes(num_people)  
  
print(max_handshakes)
```