```
# PROBLEM 6.9
def footToMeter(foot):
    return foot * 0.305

def meterToFoot(meter):
    return meter / 0.305

print("Feet\tMeters\t|\tMeters\tFeet")
for i in range(1, 11):
    print(f"{i:.1f}\t{footToMeter(i):.3f}\t|\t{(6*(i+1)):.1f}\t{meterToFoo
t(6*(i+1)):.3f}")
= RESTART: C:/Users/Caden
Roberts/AppData/Local/Programs/Python/Python311/Chapter 1.py
Feet  Meters      |     Meters     Feet
1.0   0.305 |     12.0  39.344
2.0   0.610 |     18.0  59.016
3.0   0.915 |     24.0  78.689
4.0   1.220 |     30.0  98.361
5.0   1.525 |     36.0  118.033
6.0   1.830 |     42.0  137.705
7.0   2.135 |     48.0  157.377
8.0   2.440 |     54.0  177.049
9.0   2.745 |     60.0  196.721
10.0  3.050 |     66.0  216.393

# PROBLEM 6.11
def computeCommission(salesAmount):
    commission = 0
    if salesAmount > 0 and salesAmount <= 5000:
        commission = salesAmount * 0.08
    elif salesAmount > 5000 and salesAmount <= 10000:
        commission = 5000 * 0.08 + (salesAmount - 5000) * 0.1
    else:
        commission = 5000 * 0.08 + 5000 * 0.1 + (salesAmount - 10000) *
0.12
    return commission

print("Sales Amount\t      Commission")
for i in range(10000, 100001, 5000):
    print(f"{i}\t\t\t{computeCommission(i):{8}.{1}f}")
= RESTART: C:/Users/Caden
Roberts/AppData/Local/Programs/Python/Python311/Chapter 1.py
Sales Amount        Commission
10000                    900.0
15000                   1500.0
20000                   2100.0
25000                   2700.0
30000                   3300.0
35000                   3900.0
40000                   4500.0
45000                   5100.0
50000                   5700.0
55000                   6300.0
60000                   6900.0
```

```
65000                    7500.0
70000                    8100.0
75000                    8700.0
80000                    9300.0
85000                    9900.0
90000                   10500.0
95000                   11100.0
100000                  11700.0

# PROBLEM 6.18
import random
n = int(input("Enter n: "))
for i in range(n):
        for j in range(n):
            print(random.randint(0,1), end=" ")
        print('\n')
= RESTART: C:/Users/Caden
Roberts/AppData/Local/Programs/Python/Python311/Chapter 1.py
Enter n: 6
1 0 0 1 0 0

0 0 0 1 0 1

1 1 0 0 1 1

0 1 0 1 0 0

1 0 1 0 1 0

1 0 0 1 0 0
```