```
renzgabrinao@Ralphs-MBP lab % python3 lab6.py

Decimal 12345 to base 2: 11000000111001
Decimal 12345 to base 8: 30071

Decimal 678910 to base 2: 10100101101111111110
Decimal 678910 to base 8: 2455776

Decimal 111213 to base 2: 11011001001101101
Decimal 111213 to base 8: 331155

Recursive: Decimal 12345 to base 2 = 11000000111001
Recursive: Decimal 12345 to base 8 = 30071

Recursive: Decimal 678910 to base 2 = 10100101101111111110
Recursive: Decimal 678910 to base 8 = 2455776

Recursive: Decimal 111213 to base 2 = 11011001001101101
Recursive: Decimal 111213 to base 8 = 331155
```