

Switching Circuit & Logic Design

Lecture 24 : Counter

Types of Counters

| Asynchronous Counter | Synchronous Counter |
|-----------------------------------|------------------------|
| O/P of one FF to Clock of next FF | No such connection |
| All clocks are not simultaneous | Same clock to every FF |
| Simple to design | Tedious and complex |
| Low speed | Faster |

Frequency Divider circuit

Asynchronous Counter