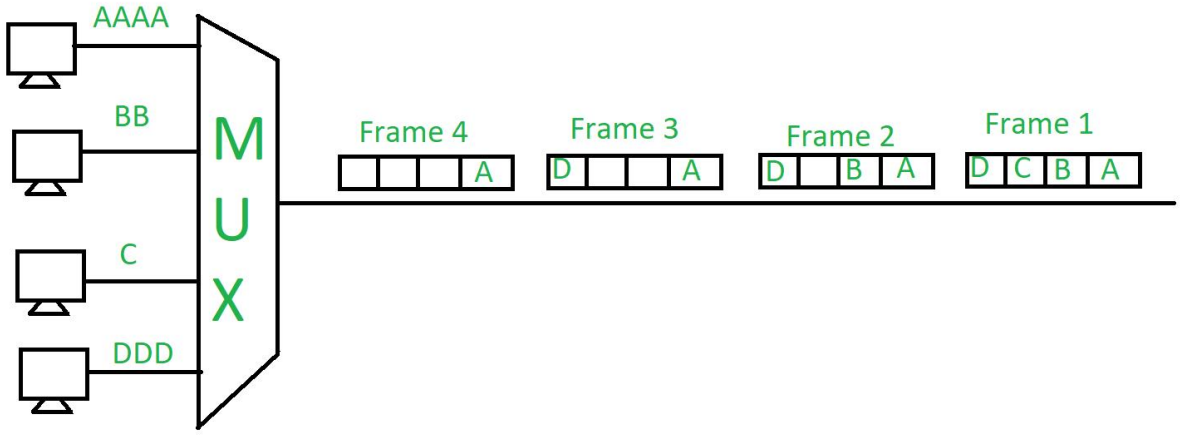
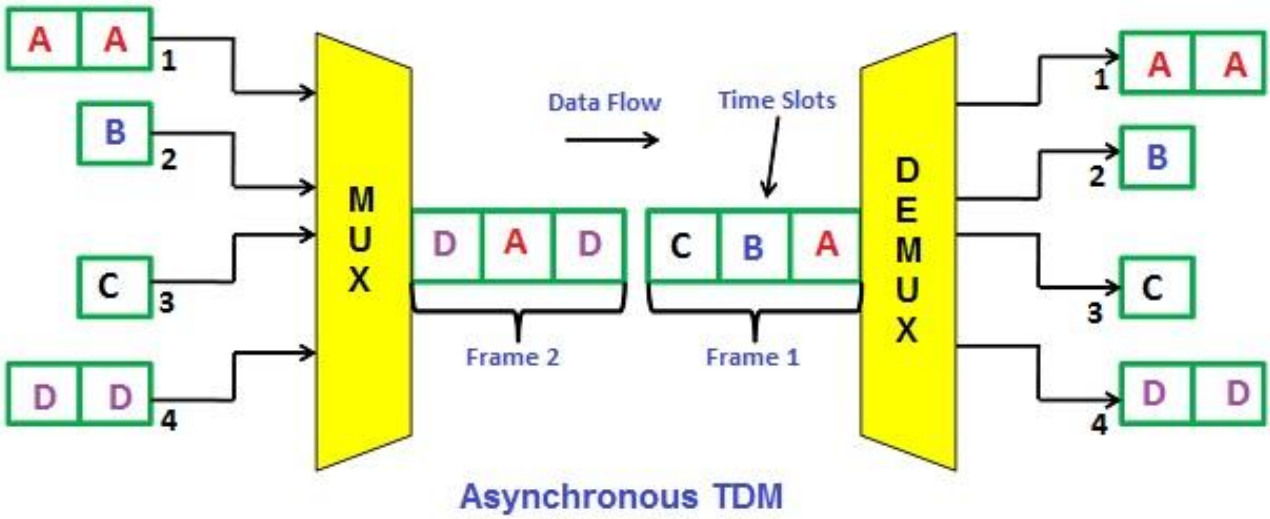


SYNCHRONOUS TDM



Asynchronous TDM

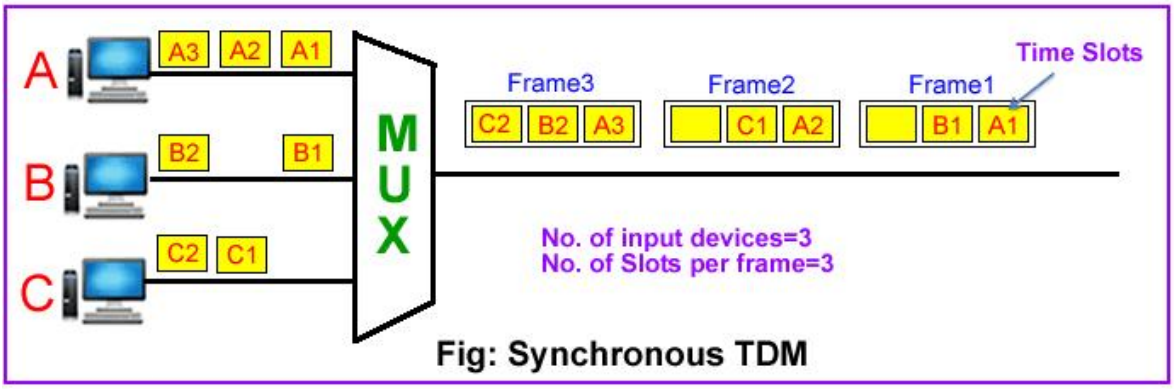


Fig: Synchronous TDM

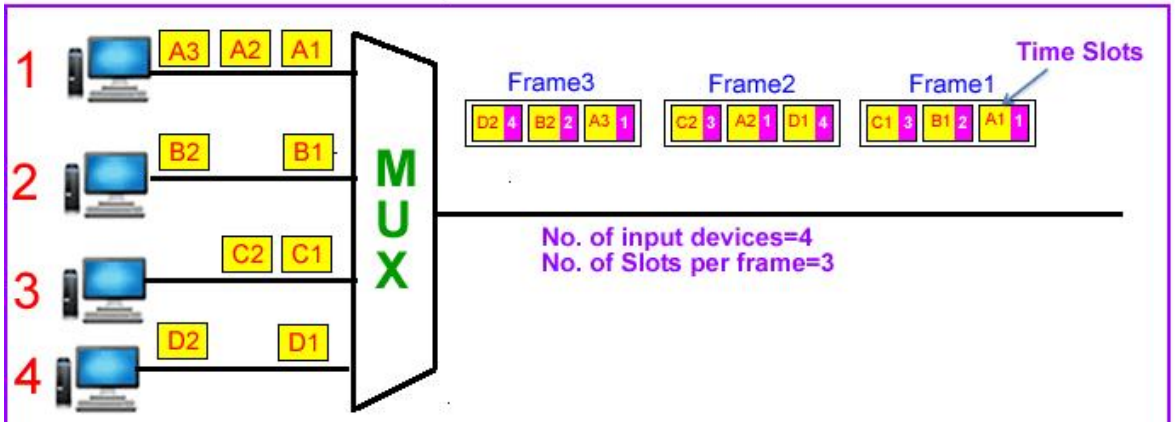
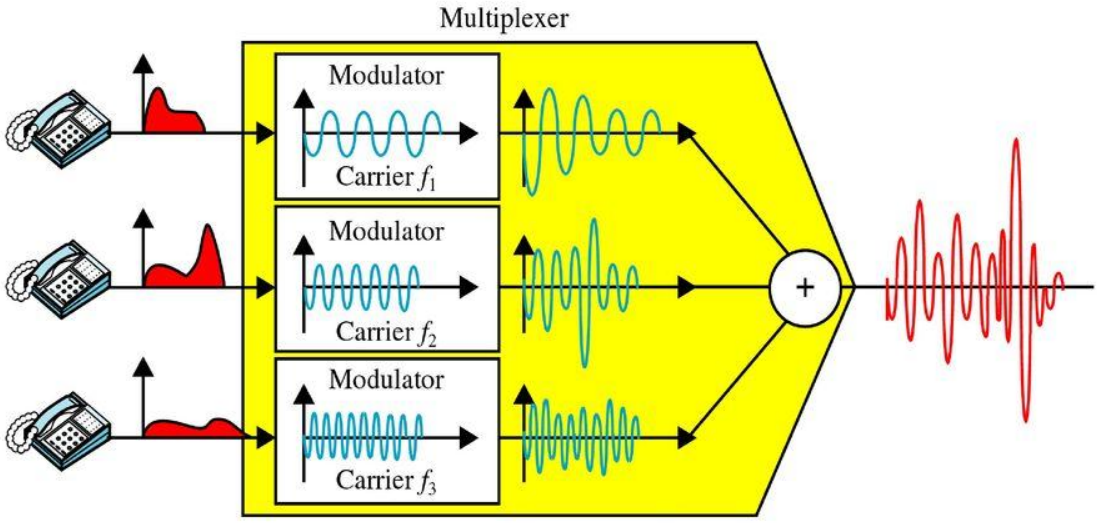


Fig: Statistical TDM

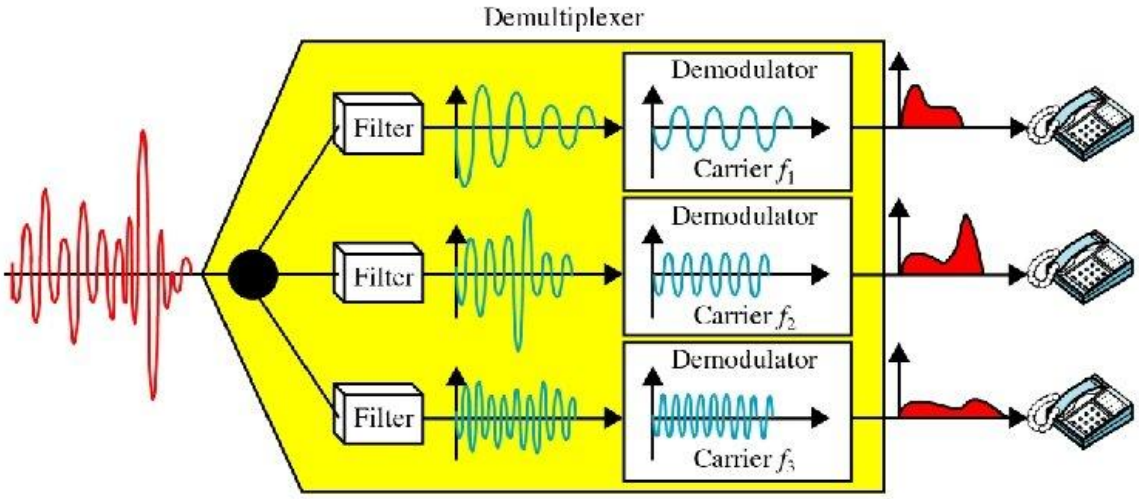
FDM (cont'd)

- FDM multiplexing process, time-domain



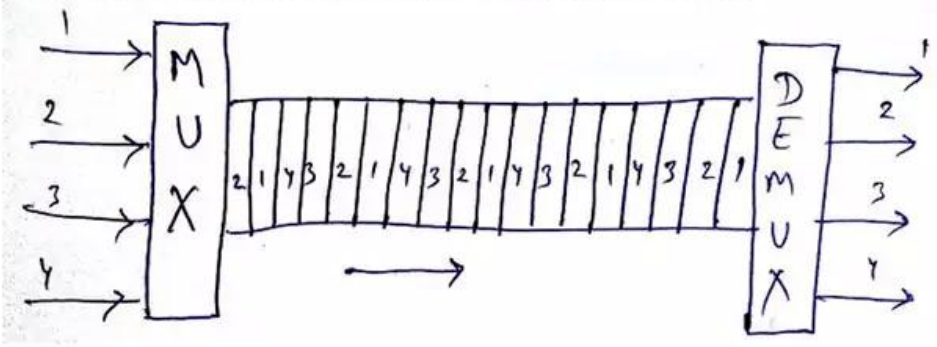
FDM(cont'd)

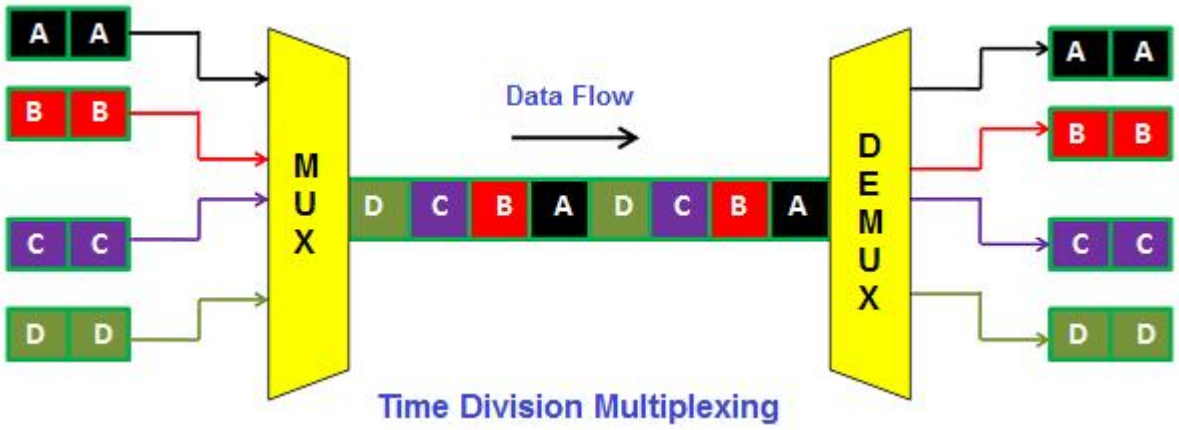
- FDM demultiplexing process, time-domain



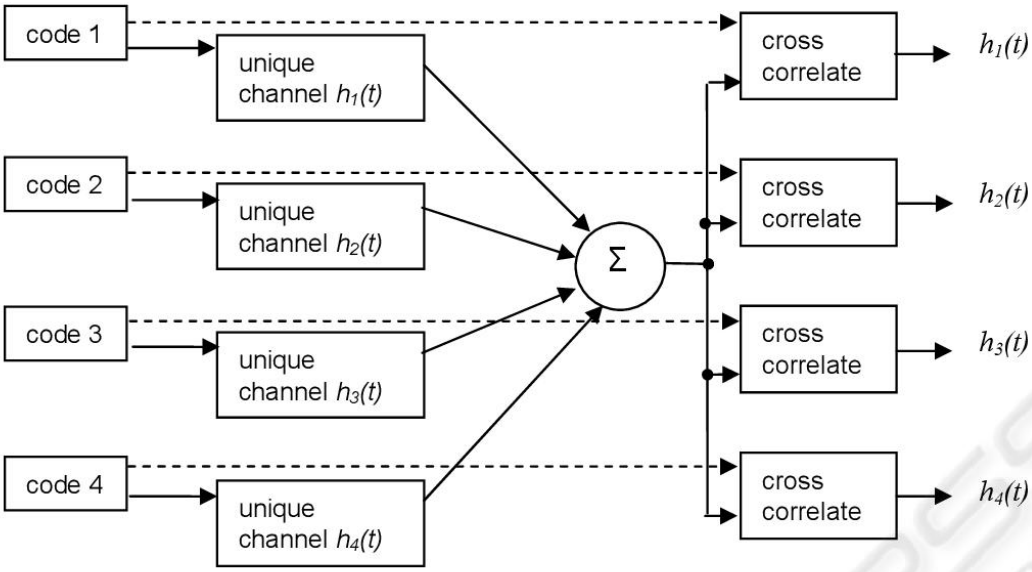
3. Time Division Multiplexing

In this instead of sharing a portion of the bandwidth, time is shared. TDM is a digital process that allows several connections. Each connection occupies a portion of time in the link. Digital data from different sources are combined into one timeshared link.





Time Division Multiplexing


code 1
unique channel $h_1(t)$
code 2
unique channel $h_2(t)$
code 3
unique channel $h_3(t)$
code 4
unique channel $h_4(t)$
Σ
cross correlate
cross correlate
cross correlate
cross correlate
$h_1(t)$
$h_2(t)$
$h_3(t)$
$h_4(t)$

CDM