Expt. No.

Assignment 10: Implement 4-bit register

Hith -> (a) Parallel-in/parrllel-out-

(b) serial-in/serial-out

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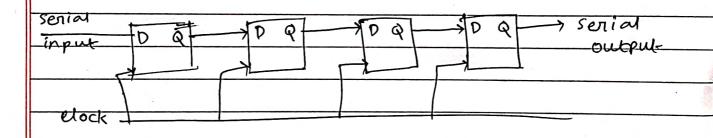
What is a Register?

Register is a group of flip-flops to multiple bit at same time. Register has actually so series connected filip-flops.

Senial-in [senial-out Register

This type of register can take one input bit at a time and also shifts the data in output one bit at a time. We will use D-flip-flops to implement this register.

Circuit Overview



Panallel-in/panallel-oul- Register:

The register allows parallel input means all n-bits are given to n-flip flops simultaneously and also output is a taken parallely at a same time from all flip-flops. We will use p-flip-flops to implement circuit. Here flip-flops are not inter-connected

Teacher's Signature

