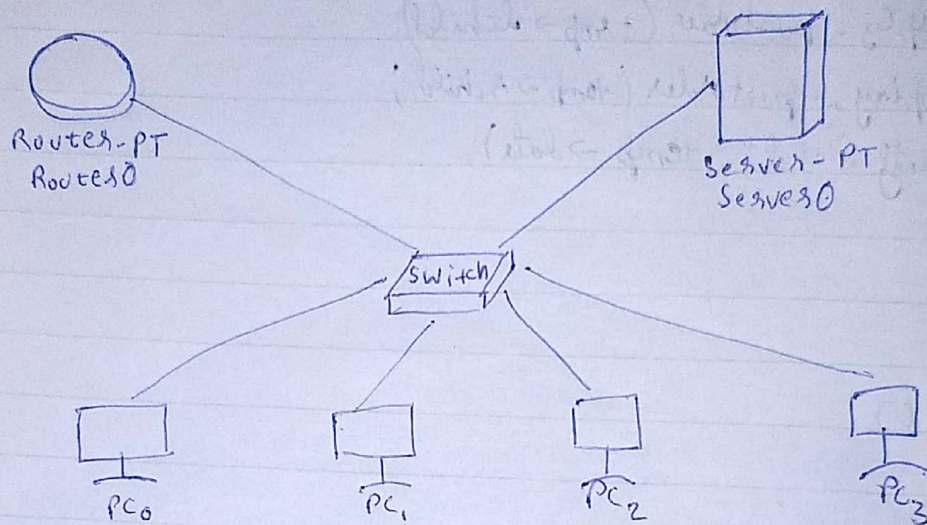


5. Dynamic Host Configuration protocol

Aim: To assign IP addresses to PC's dynamically using DHCP

Circuit :



learning outcomes:

DHCP is a protocol which assigns IP's address to network devices upon request. DHCP operations fall into four phases: server discovery, IP lease offer, IP lease request and IP lease acknowledgment. These stages are often abbreviated as DORA for discovery, offer, request and acknowledgment. The DHCP operational begins with clients broadcasting a request.

output :

The server in connection assigns IP addresses to the PC's which are connected to the switch.

DHCP assigns PC's IP address as 10.0.0.30

PC1's

" " 10.0.0.40

PC2's

IP " " 10.0.0.50

PC3's

IP " " 10.0.0.60