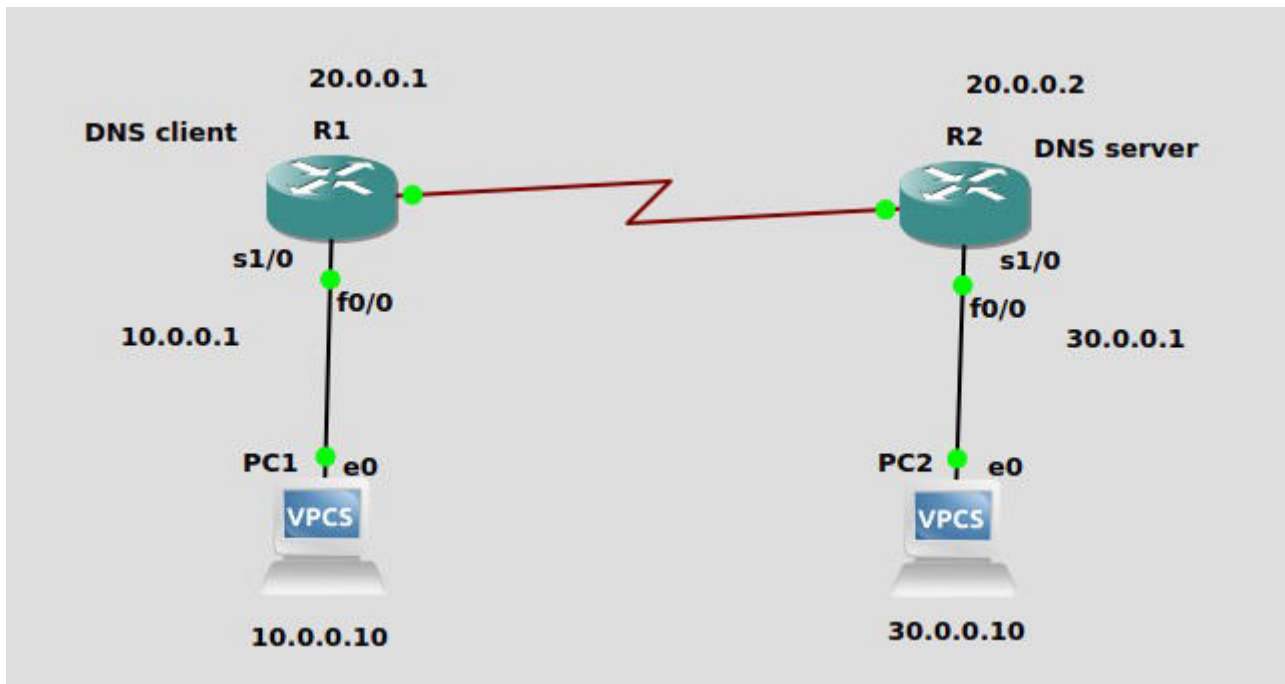**Name: Siri Reddy**
Reg. No.: 210905015
Roll No.: 4
CSE B

CN LAB 7
Study of Domain Name Server

1.


```
R1(config)#inter f0/0
R1(config-if)#ip address 10.0.0.1 255.0.0.0
R1(config-if)#no shut
R1(config-if)#end
R1#
*Mar  1 00:01:49.747: %SYS-5-CONFIG_I: Configured from console by console
R1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#inter s1/0
R1(config-if)#ip address 20.0.0.1 255.0.0.0
R1(config-if)#clock rate 64000
R1(config-if)#encapsulation ppp
R1(config-if)#no shut
R1(config-if)#end
R1#
*Mar  1 00:02:57.819: %SYS-5-CONFIG_I: Configured from console by console
R1#
*Mar  1 00:02:58.447: %LINK-3-UPDOWN: Interface Serial1/0, changed state to up
R1#
*Mar  1 00:05:46.163: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0, changed state to up
R1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#ip route 30.0.0.0 255.0.0.0 20.0.0.2
```

```
R2(config)#inter f0/0
R2(config-if)#ip address 30.0.0.1 255.0.0.0
R2(config-if)#no shut
R2(config-if)#end
R2#
*Mar  1 00:02:47.463: %SYS-5-CONFIG_I: Configured from console by console
R2#inter s1/0
    ^
% Invalid input detected at '^' marker.

R2#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
R2(config)#inter s1/0
R2(config-if)#ip address 20.0.0.2 255.0.0.0
R2(config-if)#encapsulation ppp
R2(config-if)#no shut
R2(config-if)#end
R2#
*Mar  1 00:03:30.975: %LINK-3-UPDOWN: Interface Serial1/0, changed state to up
R2#
*Mar  1 00:03:31.315: %SYS-5-CONFIG_I: Configured from console by console
*Mar  1 00:03:32.071: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0, changed state to up
R2#ip route 10.0.0.0 255.0.0.0 20.0.0.1
    ^
% Invalid input detected at '^' marker.

R2#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
R2(config)#ip route 10.0.0.0 255.0.0.0 20.0.0.1
R2(config)#ip dns server
R2(config)#ip host www.mycsemit.com 30.0.0.10
```

```
PC1> ip 10.0.0.10 255.0.0.0 10.0.0.1
Checking for duplicate address...
PC1 : 10.0.0.10 255.0.0.0 gateway 10.0.0.1
```

```
PC2> ip 30.0.0.10 255.0.0.0 30.0.0.1
Checking for duplicate address...
PC2 : 30.0.0.10 255.0.0.0 gateway 30.0.0.1
```

```
PC1> ip dns 20.0.0.2

PC1> ping www.mycsemit.com
www.mycsemit.com resolved to 30.0.0.10

www.mycsemit.com icmp_seq=1 timeout
84 bytes from 30.0.0.10 icmp_seq=2 ttl=62 time=38.880 ms
84 bytes from 30.0.0.10 icmp_seq=3 ttl=62 time=39.393 ms
84 bytes from 30.0.0.10 icmp_seq=4 ttl=62 time=40.045 ms
84 bytes from 30.0.0.10 icmp_seq=5 ttl=62 time=39.897 ms
```