Network Programming

Year/Semester: III/VI

CHAPTER 2: InetAddress

1. Write a program to check IPv4 and IPv6 Address.
2. Write a program that finds the address of the local machine
3. Write a program to find the IP address and Host name of the local machine
4. Write a program that demonstrate the SpamCheck.
5. Write a program that compare the domain name are "www.ibiblio.org" and "helios.ibiblio.org" the same?

CHAPTER 3: URLs and URIs

6. Write a program that splits the parts of a URL [Splitting URL into pieces information]
7. Write a program that checks the which protocols does a virtual machine support or not?
8. Write a program to download a web page of a given web address.
9. Write a program for resolving relatives URI
10. Write a program to download an object.
11. Write a program to demonstrate the x-www-form-URL encoded strings.
12. Write a program that communicating with Server-Side Programs Through GET.

CHAPTER 4: HTTP

13. Write a program that shows a simple CookiePolicy that blocks cookies from .gov domains, but allows others.

14. Program to implement the CookieStore Methods (add, read, delete) cookies.

CHAPTER 5: URL Connections

15. Write a program to download a web page using URLConnection.

16. Write a program to read value of HTTP Header fields.

17. Write a program to print the entire HTTP header

18. Write a program for HTTP Request Method

19. Write a program to print the URL of a URL Connection to "nepathyacollege.edu.np".

20. Write a program to get the time when a URL was last changed.

CHAPTER 6: Sockets for Clients

21. Write a program socket to client.

CHAPTER 7: Sockets for Server

22. Write a program socket for a server.

CHAPTER 8: Secure Sockets

23. Write a program for Creating Secure Sockets with tufohss.edu.np.

24. Write a program for Creating Secure ServerSockets and Client Sockets

CHAPTER 9: NonBlocking I/O

25. Write program to list all supported socket options for the different types of network channels

26. Write program to implement the concept on Filling and Draining buffer, duplicating buffer, Slicing buffer, Compact buffer.

27. Write a program to implement the concept on Data Conversion

CHAPTER 10: UDP

28. Write a program for UDP Client.
29. Write a program for UDP Server.

CHAPTER 11: IP Multicast

30. Program to verify that you are receiving multicast data at a particular host.

CHAPTER 12: RMI

31. Program to add two numbers using RMI