TASK – 1

Common services running on ports:

* HTTP – PORT 80, HTTPS – Port 443: Used for accessing web pages.
* FTP – Port 21, SFTP – Port 22: Used for transferring files between the computers.
* SMTP -Port 25, POP3 -Port 110, and IMAP -Port 143: SMTP is responsible for sending emails and POP3 ANS IMAP are responsible for recevieng those mails.
* DNS – Port53: Used for resolving domain names into IP address for communication.
* TCP – Port 3306: Used by MYSQL Database management System to ensure client relations.

Potential Security Risks from open ports:

* Unauthorized Access
* Exploitation of Vulnerabilities
* Brute Force Attacks
* Denial of Service (DoS) Attacks
* Information Leakage
* Malware Distribution
* Increased Attack Surface
* The Three Open ports in Our system Is:
* TCP 3306 – MYSQL
* TCP 5000 – upnp
* TCP 7000 – afs3 file server

The main security risk can be caused by Port 3306 where they may be able to get into the database and have the knowledge about the data and confidential files.