Assignment 1 :-

1) Different Cyber attacks :-

Some common cyber attacks are

1) Denial of service
2) Distributed denial of service
3) Man in the middle attack
4) Phishing & Spear phishing
5) password attack
6) Cross-site Scripting attacks
7) Drive by attack
8) SQL injection attack
9) Eavesdropping attack
10) Malware attack.

Assignment 2 :-

Monolithic Architecture :-

↳ Monolithic architecture is built as one large system and usually in one-codebasis

↳ Monolithic applications are tightly coupled and entangled as application evolves making it difficult to isolate services for independent scaling or code maintainence.

Ass-3 :-

REST :-	SOAP
↳ Representational state Transfer	↳ Simple Object access protocol
↳ As it is a architectural style, it has no standard	~~REST is~~ SOAP has an official standard as it is a protocol.
↳ REST has SSL 8 HTTPS for Security	SOAP has SSL 8 WS-Security due to cases like Bank acc password card number.

MicroServices :-

   It is an Architectural Approach 8organizational) approach to software development where software is Composed of small independent Services that Communicate over well-defined APIs.

Ass:3 :-

Types of Manual Testing.

1) Acceptance Testing
2) Black Box Testing
3) Integration Testing
4) System Testing
5) Unit Testing
6) White box Testing.