Module – 6

1. What is web service?

Web services, as the name suggests, is simply a software system that is specially designed to propagate communication between the client and server applications on WWW (World Wide Web). In simple words, it is the method of communication among two or more devices over a network. It allows multiple applications built on different programming languages to communicate with each other without any trouble. It uses the internet for direct application-to-application interaction, and also allows you to expose business logic using API.

1. What is request and response?

In HTTP request, MIME type is specified in the request header using **Accept** and **Content-Type** attribute. The Accept header attribute specifies the format of response data which the client expects and the Content-Type header attribute specifies the format of the data in the request body so that receiver can parse it into appropriate format.

1. What is IIS?

Internet Information Server (IIS) is one of the most popular web servers from Microsoft that is used to host and provide Internet-based services to ASP.NET and ASP Web applications. A web server is responsible for providing a response to requests that come from users. When a request comes from client to server IIS takes that request from users and process it and send response back to users.

1. What are the types of webservice?

Web services are mainly of two types. These are:

1. SOAP Web Services
2. REST Web Services
3. What is XML and Json?

JSON is a data interchange format and only provides a data encoding specification. XML is a languages to specify custom markup languages , and provides a lot more than data interchange.

1. What are Async and Await?
2. An async keyword is a method that perform asynchronous such as fetching data from database , reading a file, etc. they cand be as “async” . whereas await keyword making “await” to a statement means suspending the executing of the async method it is residing in until the asynchronous task complete.