# Solution for Question 1

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| HTML | XML |
| 1.HTML stands for a hypertext markup language. | 1.XML stands for Extensible Markup Language. |
| 2.It is a predefined markup language. | 2. It is a type of framework used to specify that it is a markup language. |
| 3. It is case-insensitive language. | 3. It is a case-sensitive language. |
| 4.It needs to provide the structural details. | 4. It provides the structural details. |
| 5. The main purpose of HTML is used to create and design the webpage. | 5. The main purpose of XML is used to transfer the data. |
| 6. If there is a small error in the code, then it is ignored by the HTML. | 6. It does not allow any error in the coding. |
| 7. Whitespace is not allowed in the code of HTML. | 7. Whitespace is allowed in the code of XML. |
| 8. It is a static language. | 8. It is a dynamic language. |
| 9. In HTML, data interchange is not possible. | 9. In XML, data interchange is possible. |
| 10. Example:    <!DOCTYPE html>  <html>  <head>      <title>HTML Example</title>  </head>  <body>      <h1>Hello World!</h1>      <p>This is a paragraph.</p>  </body>  </html> | 10. Example:    <?xml version="1.0" encoding="UTF-8"?>  <note>      <to>John</to>      <from>Jane</from>      <heading>Reminder</heading>      <body>Don't forget our meeting tomorrow!</body>  </note> |