(1)What are the new tags added in HTML5?

(Ans)<Header>: it defines the introductory or navigational content of the page.

<footer>: it represents the footer section of the page.

<Main>: it specifies the main content of html document.

<Mark>: it represents the text which is highlighted or mark for reference or notation purposes.

<nav>: it represents the section which contains navigation links.

<audio>: it defines sound content.

<video>: it defines the video content within the html content.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <!-- controls

    loop-->

    <video src="image/big\_buck\_bunny\_720p\_1mb.mp4" autoplay muted loop></video>

    <audio src="image/file\_example\_OOG\_1MG.ogg" controls></audio>

(2)How to embed audio and video in a webpage?

(Ans)Add <audio> and <video> elements to the page; make them display the default browser controls. Give both of them <source>  elements so that the browsers will find the audio format they support  best and load it. This should include type attributes.

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    <audio src="image/file\_example\_OOG\_1MG.ogg" controls></audio>

    <iframe src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d4431.158603374504!2d72.60579089247234!3d22.997161584428998!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x395e85c2fc005927%3A0x918e69150ca1c935!2sTOPS%20Technologies!5e0!3m2!1sen!2sin!4v1690208996243!5m2!1sen!2sin" width="600" height="450" style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

    <iframe width="560" height="315" src="https://www.youtube.com/embed/rGAzWTf68nI" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" allowfullscreen></iframe>

</body>

</html>

(3) Semantic element in HTML5?

(Ans) A semantic element clearly describes its meaning to both the browser and the developer. Examples of non-semantic elements: <div> and <span> - Tells nothing about its content. Examples of semantic elements: <form> , <table> , and <article> - Clearly defines its content.

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</head>

<body>

    <table >

        <form action="">

            <tr bgcolor="red">

                <td><label for="">fname</label></td>

                <td><input type="text" name="" id=""></td>

            </tr>

            <tr>

                <td><label for="">last name</label></td>

                <td><input type="text" name="" id=""></td>

            </tr>

        </form>

    </table>

</body>

</html>

(4) Canvas and SVG tags?

(Ans)Definition and usage. The <svg> tag defines a container for svg graphics SVG has several methods for drawing paths, boxes, circles, text, and graphic images.the svg file format is a popular tool for displaying two-dimensional graphics,charts, and illustration on websites. Plus, as a vector file, it can be scaled up and down without losing its resolution.

The HTML <canvas> element is used to draw graphics, on the fly, via scripting (usually JavaScript). The <canvas> element is only a container for graphics. You must use a script to actually draw the graphics.