Grade 13 A/L ICT · Lesson 10

10.4 Linked Web Pages: Hyperlinks, Lists, Images, Tables and Multimedia

Syllabus 10.4. Hypertext is text with links. A website has a **home page** and **linked pages** joined by **hyperlinks** made with <a href>. Links can go to a **bookmark** in the same page, to another page of the **same site (local link)** or to **another site (external link)**. Pages also organise data with **lists** and **tables** and include **images**, **audio** and **video**.

1. Hyperlinks

HTML: Three kinds of hyperlink

```
<!DOCTYPE html>
<html>
<head>
  <title>Links</title>
</head>
<body>
  <p><a href="#contact">Go to Contact (bookmark)</a></p>
  <p><a href="news.html">School news (local link)</a></p>
  <p><a href="https://www.nie.lk" target="_blank">NIE website (external link)</a></p>
  <h2 id="contact">Contact</h2>
  <p>Phone: 011 234 5678</p>
</body>
</html>
```

▶ **Result in the browser**

Go to Contact (bookmark)

School news (local link)

NIE website (external link)

Contact

Phone: 011 234 5678

Link type	href value
Bookmark (same page)	#contact – jumps to id="contact"
Local link (same site)	news.html
External link (other site)	https://www.nie.lk

© 2026 schoolict.net (Ruwan Mangala Suraweera) · All rights reserved

2. Lists

HTML: Ordered, unordered and definition lists

```
<!DOCTYPE html>
<html>
<head>
  <title>Lists</title>
</head>
<body>
  <ol type="1">
    <li>Switch on</li>
    <li>Log in</li>
  </ol>
  <ul type="square">
    <li>Mouse</li>
    <li>Keyboard</li>
  </ul>
  <dl>
    <dt>CPU</dt>
    <dd>Central Processing Unit</dd>
  </dl>
</body>
</html>
```

▶ **Result in the browser**

1. Switch on
2. Log in

- Mouse
- Keyboard

CPU
: Central Processing Unit

- **ordered list** – numbered; type="1", "A", "a", "I" or "i".
- **unordered list** – bullets; type="disc", "circle" or "square".
- <dl> **definition list** – <dt> term and <dd> its description.

© 2026 schoolict.net (Ruwan Mangala Suraweera) · All rights reserved

3. Tables

HTML: Table with caption and merged cells

```
<!DOCTYPE html>
<html>
<head>
  <title>Timetable</title>
</head>
<body>
  <table border="1">
    <caption>Monday timetable</caption>
    <tr>
      <th>Time</th>
      <th colspan="2">Subjects</th>
    </tr>
    <tr>
      <td rowspan="2">Morning</td>
      <td>ICT</td>
      <td>Maths</td>
    </tr>
    <tr>
      <td>Physics</td>
      <td>Chemistry</td>
    </tr>
  </table>
</body>
</html>
```

▶ **Result in the browser**

Monday timetable

Time	Subjects	
Morning	ICT	Maths
	Physics	Chemistry

colspan and rowspan

Time	Subjects (colspan=2)	
Morning (rowspan=2)	ICT	Maths
	Physics	Chemistry

Grid: 3 rows × 3 columns. A merged cell uses the space of the cells it covers.

How colspan and rowspan merge cells

© 2026 schoolict.net (Ruwan Mangala Suraweera) · All rights reserved

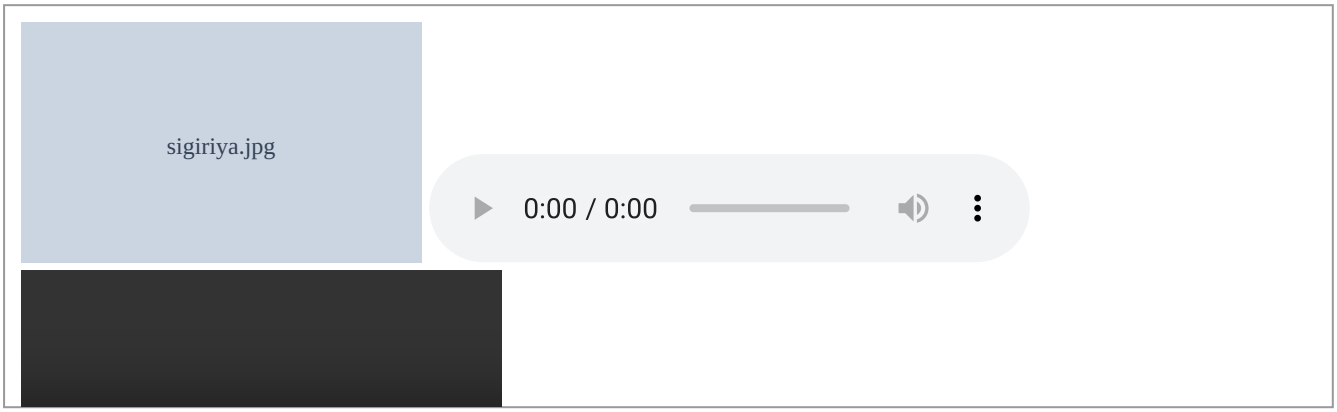
🧱 **Worked example: How many cells are typed in each row of the timetable, and why?** Row 1 has **2** cells (Time + a colspan="2" cell). Row 2 has **3** (Morning with rowspan="2", ICT, Maths). Row 3 has only **2** (Physics, Chemistry) because “Morning” already fills its first column. Every row still covers **3 columns**.

4. Images and multimedia

HTML: Image, audio and video

```
<!DOCTYPE html>
<html>
<head>
  <title>Media</title>
</head>
<body>
  <img src="sigiriya.jpg" alt="Sigiriya rock" width="200" height="120">
  <audio controls>
    <source src="anthem.mp3" type="audio/mpeg">
    Your browser does not support audio.
  </audio>
  <video width="240" height="140" controls>
    <source src="lesson.mp4" type="video/mp4">
    Your browser does not support video.
  </video>
</body>
</html>
```

▶ **Result in the browser**



- <img src alt width height> – alt text is read by screen readers and shown if the image is missing.
- <audio controls> and <video controls> with <source src type> play sound and video in HTML5.

💡 Use relative paths (news.html, images/logo.png) for local links so the site still works after uploading.

🚀 **Beyond the syllabus (2026 update)** *Not required for the exam – read for interest.* Modern pages add loading="lazy" to images and offer WebP or AVIF files, which are much smaller than JPEG.

© 2026 schoolict.net (Ruwan Mangala Suraweera) · All rights reserved

Key Words

Hypertext – Text that contains links to other text.	**Anchor tag** – The a tag that creates a hyperlink.
href – Attribute giving the link destination.	**Bookmark** – Link to a place in the same page using #id.
Local link – Link to another page of the same website.	**External link** – Link to a page on a different website.
Ordered list – Numbered list made with ol.	**Unordered list** – Bulleted list made with ul.
Definition list – List of terms and descriptions made with dl.	**Table row** – tr element that holds cells.
colspan – Attribute that merges cells across columns.	**rowspan** – Attribute that merges cells down rows.

Sample Q&A

1. Three kinds of hyperlink?

> **Answer:** Bookmark, local link, external link.

2. href for a bookmark to id="contact"?

> **Answer:** #contact.

3. ol vs ul?

> **Answer:** ol is numbered; ul has bullets.

4. th vs td?

> **Answer:** th is a header cell (bold, centred); td is a data cell.

5. Cells typed in row 3 of the timetable?

> **Answer:** 2 – rowspan fills the first column.

6. Why use alt in img?

> **Answer:** Accessibility and text if the image is missing.

© 2026 schoolict.net (Ruwan Mangala Suraweera) · All rights reserved

MCQ

1. A link with href="#contact" is a

A. external link
B. broken link
C. bookmark
D. e-mail link
E. local link to a file

2. href="news.html" is a

A. local link
B. external link
C. image
D. bookmark
E. style sheet

3. A numbered list uses

A.
B. <dl>
C. <dt>
D. only
E.

4. In a definition list the term is written in

A.
B. <dt>
C. <td>
D. <th>
E. <dd>

5. A header cell in a table is

A. <thead> only
B. <td>
C. <th>
D. <tr>
E. <caption>

6. The timetable table covers how many columns?

A. 4
B. 6
C. 5
D. 3
E. 2

© 2026 schoolict.net (Ruwan Mangala Suraweera) · All rights reserved

7. Cells typed in row 3 of the timetable are

A. 1
B. 4
C. 0
D. 2
E. 3

8. The attribute that plays video with buttons is

A. autoplay only
B. controls
C. alt
D. href
E. colspan

9. Which term means: “Text that contains links to other text”?

A. Unordered list
B. External link
C. href
D. colspan
E. Hypertext

10. Which term means: “The a tag that creates a hyperlink”?

A. Anchor tag
B. Bookmark
C. rowspan
D. Definition list
E. Ordered list

11. Which term means: “Attribute giving the link destination”?

A. Unordered list
B. href
C. Hypertext
D. Local link
E. Table row

12. Which term means: “Link to a place in the same page using #id”?

A. colspan
B. External link
C. Bookmark
D. Anchor tag
E. Definition list

© 2026 schoolict.net (Ruwan Mangala Suraweera) · All rights reserved

13. Which term means: “Link to another page of the same website”?

A. Ordered list
B. Table row
C. href
D. rowspan
E. Local link

14. Which term means: “Link to a page on a different website”?

A. External link
B. Unordered list
C. colspan
D. Hypertext
E. Bookmark

15. Which term means: “Numbered list made with ol”?

A. rowspan
B. Anchor tag
C. Local link
D. Ordered list
E. Definition list

16. Which term means: “Bulleted list made with ul”?

A. External link
B. href
C. Table row
D. Unordered list
E. Hypertext

17. Which term means: “List of terms and descriptions made with dl”?

A. Bookmark
B. Ordered list
C. colspan
D. Anchor tag
E. Definition list

18. Which term means: “tr element that holds cells”?

A. rowspan
B. Table row
C. Unordered list
D. href
E. Local link

© 2026 schoolict.net (Ruwan Mangala Suraweera) · All rights reserved

19. Which term means: “Attribute that merges cells across columns”?

A. Hypertext
B. Definition list
C. colspan
D. External link
E. Bookmark

20. Which term means: “Attribute that merges cells down rows”?

A. rowspan
B. Ordered list
C. Anchor tag
D. Local link
E. Table row

Structured Questions

1. Explain the three kinds of hyperlinks with HTML. *(4 marks)*

> #id; file.html; https://...; example code.

2. Write HTML for an ordered, an unordered and a definition list. *(3 marks)*

> ol li; ul li; dl dt dd.

3. Write HTML for a 3 × 3 table with a caption and one colspan. *(5 marks)*

> table; caption; tr; th colspan="2"; td.

4. Explain colspan and rowspan using the timetable. *(3 marks)*

> Subjects spans 2 columns; Morning spans 2 rows; row 3 has 2 cells.

5. Write HTML to add an image, an audio clip and a video. *(3 marks)*

> img src alt; audio controls source; video controls source.

Summary

- a href makes hyperlinks.
- Bookmark, local and external links.
- ol, ul and dl make lists.
- table, tr, th, td, caption make tables; colspan and rowspan merge.
- img, audio and video add multimedia.

© 2026 schoolict.net (Ruwan Mangala Suraweera) · All rights reserved

MCQ answer key – 10.4

1. **C** – Same page.
2. **A** – Same site.
3. **E** – Ordered.
4. **B** – dt.
5. **C** – th.
6. **D** – Colspan 2 + 1.
7. **D** – rowspan above.
8. **B** – controls.
9. **E** – Hypertext – Text that contains links to other text.
10. **A** – Anchor tag – The a tag that creates a hyperlink.
11. **B** – href – Attribute giving the link destination.
12. **C** – Bookmark – Link to a place in the same page using #id.
13. **E** – Local link – Link to another page of the same website.
14. **A** – External link – Link to a page on a different website.
15. **D** – Ordered list – Numbered list made with ol.
16. **D** – Unordered list – Bulleted list made with ul.
17. **E** – Definition list – List of terms and descriptions made with dl.
18. **B** – Table row – tr element that holds cells.
19. **C** – colspan – Attribute that merges cells across columns.
20. **A** – rowspan – Attribute that merges cells down rows.

© 2026 schoolict.net (Ruwan Mangala Suraweera). All rights reserved.