

MODULE- WEB DEVELOPMENT AND DATABASES

TERM-1

WEEK-1

Name: Saina Singh

Student ID: 24071247

Orbund ID: 10975

Programme: BSc.AI (L4)

Section: B

Date: 9th, Jan, 2026

Home work: Exercise 5: Let's assume we have the following URLs:

<http://www.uwe.ac.uk/>

<https://intranet.uwe.ac.uk/>

<https://www.uwe.ac.uk:443/search-results?q=Computer+Science>

<https://people.uwe.ac.uk/Person/Zaheer2Khan>

<https://www.bbc.co.uk/news>

<https://www.bbc.co.uk:443/news>

<https://www.bbc.co.uk:80/news>

Use a search engine to complete the following tasks:

Task 1: Identify protocols used in the above URLs

Task 2: Identify domain names in the above URLs

Task 3: Identify sub-domains in the above URLs

Task 4: Identify the top-level domain in the above URLs

Task 5: Identify the second level domain in the above URLs

Task 6: Identify Paths in the above URLs

Task 7: Identify Query String in the above URLs

Task 8: Identify ports in the above URLs

Task 9: Identify which one of the above URLs is invalid and why?

Answers:

Task 1: Protocols

- http
- https

Task 2: Domain names

- uwe.ac.uk
- bbc.co.uk

Task 3: Sub-domains

- www
- intranet
- people

Task 4: Top-level domains (TLD)

- .uk

Task 5: Second-level domains

- ac
- co

Task 6: Paths

- /
- /search-results
- /Person/Zaheer2Khan
- /news

Task 7: Query string

- q=Computer+Science

Task 8: Ports

- Default HTTP: 80
- Default HTTPS: 443
- Explicit ports: :443, :80

Task 9: Invalid URL

- `https://www.bbc.co.uk:80/news`

Invalid because:

Port 80 is for HTTP, not HTTPS. HTTPS should use port 443.