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BSIT – 303

SIR BANES

Data Structures and Algorithms

06 Activity 1 – ARG

Determine the following:

1. Parent Nodes (5 pts):

* html
* head
* body
* ul
* h2

2. Siblings (4pts):

* meta & title
* head & body
* li & li
* ul & h1 & h2

3. Leaf Nodes (6 pts):

* meta
* title
* li
* li
* h1
* a

4. One-level subtrees (5 pts):

* html – head / body
* head – meta / title
* body – ul / h1 / h2
* ul – li / li
* h2 – a

5. Nodes per Level (4 pts):

* Level 0 – html
* Level 1 – head / body
* Level 2 – meta / title / ul / h1 / h2
* Level 3 – li / li / a

6. Depth (1 pt):

* 3

7. Degree of each one-level subtrees (5 pts):

* Subtree html – 2
* Subtree head – 2
* Subtree body – 3
* Subtree ul – 2
* Subtree h2 – 1