

The questions on this worksheet have been taken from the OCR A-Level Computer Science Practice Paper 1.1

Answer 1

- Adds the tag name...
 - Includes the opening <
 - Includes the closing > and nothing further
 - Tags are added to data structure.
 - Adds all tags in the string.
 - Adds all tags in the string.
 - Sensible variable names used
 - Correct use of indentation
- (1 per -)

AO3.2

7

```
tagStartPos = 0
insideTag = false
i = 0
while i < htmlCode.length
    if htmlCode.substring(i,1) == "<" and
insideTag == false then
        tagStartPos = i
        insideTag = true
    elseif insideTag == true and
htmlCode.substring(i,1) == ">" then
        dataStructureA.add(htmlCode.substring(tagStartPos, i-tagStartPos+1))
        insideTag = false
    endif
    i = i + 1
endwhile
```

Answer 2

Queue

AO2.1

1

Answer 3

Hashtable

AO2.2

Accept Hashmap/Associative Array/Dictionary

1