Assignment-7

Due on 2020-02-16, 23:59 IST.

1. The number of maps in MapReduce is usually driven by the "flat side of" _________.
   - Inputs
   - Outputs
   - Splits
   - None of the mentioned

No. The answer is incorrect. Score: 0/1 point

2. Consider the pseudo-code for MapReduce's Word Count example (not shown here). Let's now assume that you want to determine the frequency of 1-point phrases consisting of 3 words each instead of determining the frequency of single words. Which part of the pseudo-code should you need to adapt?
   - Only main
   - Only reduce
   - Both main and reduce
   - The code itself does not need to be changed

No. The answer is incorrect. Score: 0/1 point

3. What is characteristic of a P2P network?
   - Self-Adaptation
   - Dealing with variability
   - Fast Termination
   - All of the mentioned

No. The answer is incorrect. Score: 0/1 point

4. Consider the given table of P2P systems and find out the correct match:

<table>
<thead>
<tr>
<th>P2P System</th>
<th>Property</th>
</tr>
</thead>
<tbody>
<tr>
<td>Napster</td>
<td>(i) Clients act as servers too, called servents</td>
</tr>
<tr>
<td>Gnutella</td>
<td>(ii) Some peers designated as supernodes</td>
</tr>
<tr>
<td>FastTrack</td>
<td>(iii) Centralized server</td>
</tr>
<tr>
<td>BitTorrent</td>
<td>(iv) Prefer early download of blocks that are least replicated among neighbours</td>
</tr>
</tbody>
</table>

5. In a Chord structured DHT, distributed main tables with K host, how many hops would a lookup operation require?
   - N/2
   - log2(N)
   - N/4
   - log2(N/2)

No. The answer is incorrect. Score: 0/1 point

6. Function merges all intermediate values associated with the same intermediate key.
   - Map
   - Reduce
   - Both Map and Reduce
   - None of the mentioned

No. The answer is incorrect. Score: 0/1 point

7. Suppose our input data to a map-reduce operation consists of integer values (the keys are not important). The map function takes an integer input and produces the list of 100 such that each is a prime divisor of...

No. The answer is incorrect. Score: 0/1 point