aqfer

SRE Assignment

Task 1:

- Find out the s3 buckets whose name ends with ".test" and expire all the objects with .xml extension older than 30days.
- Print all the objects which got expired.

Write a script in whichever programming language is preferable.

Task 2:
Write a shell script to read input from a file which contains at least 1000 records of the following format

Sample Input:
<Statuscode>;<Domain>;<Log Information>
4;xyz.abc.com; 3fe35bcb-cd7f-4375-971a-ff5790b23d14 active HEAD 10.0.x.x , source=localhost, Feb 21 15:30:31
114;xyz.abc.com; 3fe35bcb-cd7f-4375-971a-ff5790b23d14 active HEAD 10.0.x.x , source=localhost, Feb 21 15:32:36
255;xyz.abc.com; 3fe35bcb-cd7f-4375-971a-ff5790b23d14 passive HEAD 10.0.x.x , source=localhost, Feb 21 15:34:44
70;xyz.abc.com; 3fe35bcb-cd7f-4375-971a-ff5790b23d14 active HEAD 10.0.x.x , source=localhost, Feb 21 15:36:31
99;xyz.abc.com; 3fe35bcb-cd7f-4375-971a-ff5790b23d14 active HEAD 10.0.x.x , source=localhost, Feb 21 15:37:28
44;xyz.abc.com; 3fe35bcb-cd7f-4375-971a-ff5790b23d14 active HEAD 10.0.x.x , source=localhost, Feb 21 15:37:36
4;xyz1.abc.com; 3fe35bcb-cd7f-4375-971a-ff5790b23d14 active HEAD 10.0.x.x , source=localhost, Feb 21 15:30:31
114;xyz1.abc.com; 3fe35bcb-cd7f-4375-971a-ff5790b23d14 active HEAD 10.0.x.x , source=localhost, Feb 21 15:32:36
255;xyz1.abc.com; 3fe35bcb-cd7f-4375-971a-ff5790b23d14 passive HEAD 10.0.x.x , source=localhost, Feb 21 15:34:44
70;xyz1.abc.com; 3fe35bcb-cd7f-4375-971a-ff5790b23d14 active HEAD 10.0.x.x , source=localhost, Feb 21 15:36:31
99;xyz1.abc.com; 3fe35bcb-cd7f-4375-971a-ff5790b23d14 active HEAD 10.0.x.x , source=localhost, Feb 21 15:37:28
49;xyz1.abc.com; 3fe35bcb-cd7f-4375-971a-ff5790b23d14 active HEAD 10.0.x.x , source=localhost, Feb 21 15:37:36

Note : You can copy the same set of these 6 lines up to 1000 lines for testing the script.

SRE Assignment

Check the status code for each domain and generate output based on the conditions below,
- If the status code is equal to 255 and has never transitioned to 44, Print the log information in the below format

CRITICAL :: <Domain> : <Log Information>

- If the status code was never 255, Print the log information in the below format

OK :: <Domain> : <Log Information>

- If the status code has transitioned from 255 to 44 for a domain, Print the log information in the below format

OK :: <Domain> : <Log Information>

Task3(can write in proffered programming language)
Given a list of integers, arrange the unique numbers by order of recurrence(times it repeated) and if two numbers have same count then preserve the original order in the given list

Example:
A = [2,2,4,2,3,4, 3,7]
Count of 2 is 3, count of 3 & 4 is 2 and count of 7 is 1.
As the count of 3 and 4 is the same but 4 has come in first in A, the order has to be preserved. So output should be [2,4,3,7]

Task4(can write in proffered programming language)
Given an unsorted array A with non negative integers, find out a subarray which sums up to a number S and if there are multiple subarrays, return the first occurrence of subarray.

Example:
A[] = {1,2,3,7,5} , sum = 12
Output should be {2,3,7}