Sujata.d guys recently attend devops interview questions
DevOps Test

Section 1: Programming Test

Download the logfile. Write scripts/programs in any scripting/programming language to do the following:
-   Scan the log file for POST requests and create a summary in CSV format that lists each unique IP address and the number of POST requests corresponding to that IP address.

-   The example of the CSV is as below:
    ```
    164.242.88.10, 23
    abc.com, 4
     . .
    ```

Section 2: Docker question

Clone the Java application from Github. Write a Dockerfile to containeraise the application. You can submit the docker file alone.

Section 3: Linux

-   What command would you use to find how many disks are mounted on a linux system
-   What command would you use to find the free/available & used RAM in a linux system?
-   What command would you use to search for a file called 'important.txt' that is present somewhere on the filesystem?
-   What shell environment variables have you used in your day to day work?
-   How would you know if a linux system is running out of RAM and whether it is using swap space?
-   While booting a linux system, it gets stuck. The error message indicates that the boot sequence is stuck while trying to mount a non-existent disk. What would you do to recover from this situation?
-   What command would you use to find all lines containing any of the words "hello", "world", "foo" and "bar", in all text files in a given directory? Note that a single command should look for all those 4 words.

Section 4: AWS (Optional)

-   Have you used AWS CLI for accessing services such as IAM / EC2 / VPC / EBS / S3 / RDS ?
-   Can you look at the AWS CLI documentation and write the command for printing all tags of an S3 bucket?
-   Can you look at the AWS CLI documentation and write the command for printing all volumes of type "gp3" that are attached to a given EC2 instance? This can be a single command or a linux command pipeline.
-   Have you used Python Boto3 SDK / APIs accessing services such as IAM / EC2 / VPC / EBS / S3 / RDS?
-   Can you write a Python Boto3 SDK based script to add the tag "Department" with value "Engineering", to all EC2 instances in a given VPC ?
-   Can you write a Python Boto3 SDK based script to remove all ingress rules which allow traffic from "0.0.0.0/0", from all security groups in a given VPC?
-   Give the terraform configuration for creating a single EC2 instance on AWS.

How to submit

- Scripting & programming questions in **Section 1** should be submitted as runnable script/programs with proper extensions. Add a readme file describing the programming/scripting language used and the steps to run the script.
- Answers to **Section 2** should be submitted as a Dockerfile
- Answers to **Section 3 & 4** can be submitted as a regular text file.
- zip all the files together and send to ***jobs@innoventes.co*** or share through ***Google drive***

Evaluation criteria:

- Answers provided to the questions
- Code Quality in programming questions