# DevOps Test

## Python3 , boto3 and AWS

There are few servers running in an AWS account.
These servers have one or more ebs volumes attached with different capacity.

Implement a script in Python3 and using the AWS SDK (using boto3 libraries) that allow to :

• Search a specific server by providing as input the name the EC2 service or search for all of them (by giving input '*' )
• Given the search input, the script returns a table with a list of fields for each server:
   instance-id, instance-type, status, private-ip, public-ip (if available), total-size-ebs-volumes (so the sum of the sizes in GB of the attached volumes to the instance)
• The list of servers should be ordered by the total size of ebs volumes attached.
• At the end, print out the total size of all the ebs volumes in GB of all servers (as single number).
Please provide instructions to run the script.
AWS Access Key and SecretKeyId will be provided In the email.

The region in which the servers are running is : eu-central-1
Please make sure to build the script using python3


Bonus points
If you have time, use terraform or terragrunt to deploy  the script as lambda function. This is not mandatory but is well considered in case of success.
You should be able to deploy the lambda function with the credentials provided.

make sure to use Terraform version 0.12 or 0.15 (do not use 1.0).