FACE DETECTION APP ON AWS PART-4

- **Index.php File for Face Detect**
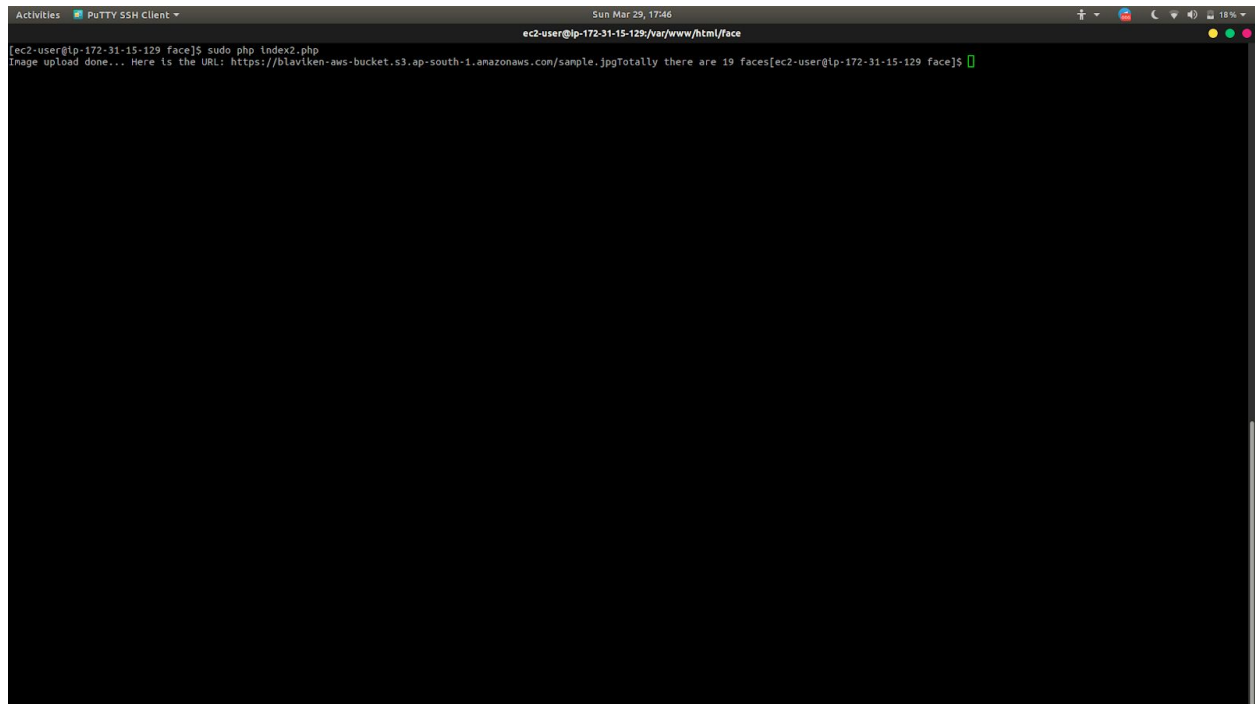
```php
<?php

/*

Install php - sudo yum install php
curl -sS https://getcomposer.org/installer | php
cd /var/www/html
sudo mkdir face
cd face
sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php

In case if you get memory error -
    sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M count=1024
    sudo /sbin/mkswap /var/swap.1
    sudo /sbin/swapon /var/swap.1

sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
sudo mv b97ea33b5842c7894b804923c6c05580.jpg sample.jpg

Incase if you are getting any class NOT found error, follow these steps

sudo yum remove php*
sudo yum remove httpd*
sudo yum clean all
sudo yum upgrade -y
sudo amazon-linux-extras install php7.2
sudo yum install php-json php-xml php-cli php-mbstring
sudo yum install httpd

*/
error_reporting(0);

require_once(__DIR__ . '/vendor/autoload.php');

use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;

$bucket = 'blaviken-aws-bucket';
$keyname = 'sample.jpg';

$s3 = new S3Client([
    'region'    => 'ap-south-1',
    'version'   => '2006-03-01',
    'signature' => 'v4'
]);

try {
    // Upload data.
    $result = $s3->putObject([
        'Bucket'        => $bucket,
        'Key'           => $keyname,
        'SourceFile'    => __DIR__ . "/$keyname",
        'ACL'           => 'public-read-write'
    ]);

    // Print the URL to the object.
    $imageUrl = $result['ObjectURL'];
    if($imageUrl) {
        echo "Image upload done... Here is the URL: " . $imageUrl;

        $rekognition = new RekognitionClient([
            'region'    => 'ap-south-1',
            'version'   => '2006-03-01',
        ]);

        $result = $rekognition->detectFaces([
            'Attributes'    => ['DEFAULT'],
            'Image' => [
                'S3Object' => [
                    'Bucket' => $bucket,
                    'Name'   => $keyname,
                    'Key'    => $keyname,
                ],
            ],
        ]);

        echo "Totally there are " . count($result["FaceDetails"]) . " faces";
    }
} catch (Exception $e) {
    echo $e->getMessage() . PHP_EOL;
}
```

● Face Detect

```
[ec2-user@ip-172-31-15-129 face]$ sudo php index2.php
Image upload done... Here is the URL: https://blaviken-aws-bucket.s3.ap-south-1.amazonaws.com/sample.jpgTotally there are 19 faces[ec2-user@ip-172-31-15-129 face]$
```