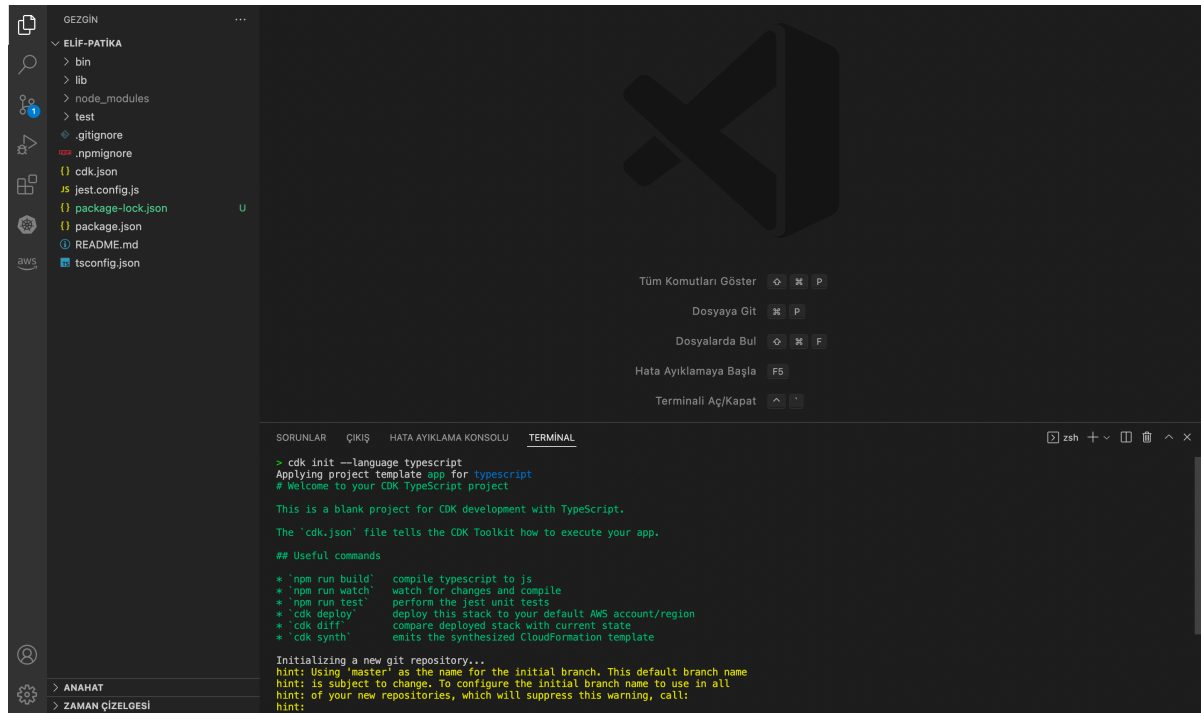
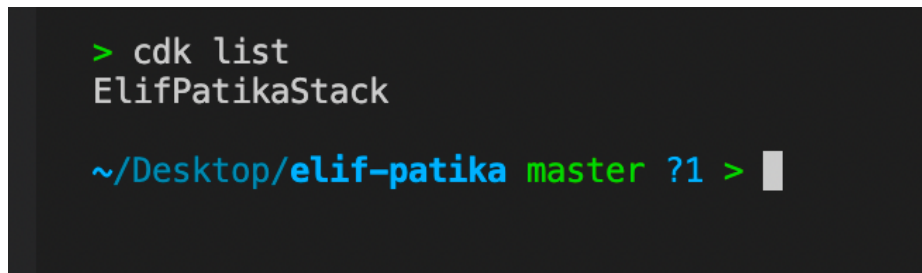


Week-6-Homework-1

1.




2.



3. In Elif-Patika project in /lib folder:

```
lib > TS elif-patika-stack.ts > ElifPatikaStack > constructor > bucket > bucketName
1  import { Stack, StackProps } from 'aws-cdk-lib';
2  import { Construct } from 'constructs';
3  // import * as sqs from 'aws-cdk-lib/aws-sqs';
4
5  import {
6    aws_s3,
7  } from 'aws-cdk-lib';
8
9  export class ElifPatikaStack extends Stack {
10   constructor(scope: Construct, id: string, props?: StackProps) {
11     super(scope, id, props);
12
13     //Resource Physical ID
14     const buck = new aws_s3.Bucket(this, 'Elif-Bucket-Yalandan', {
15       bucketName: 'blablabla-derken'
16     });
17   }
18 }
19
20
```

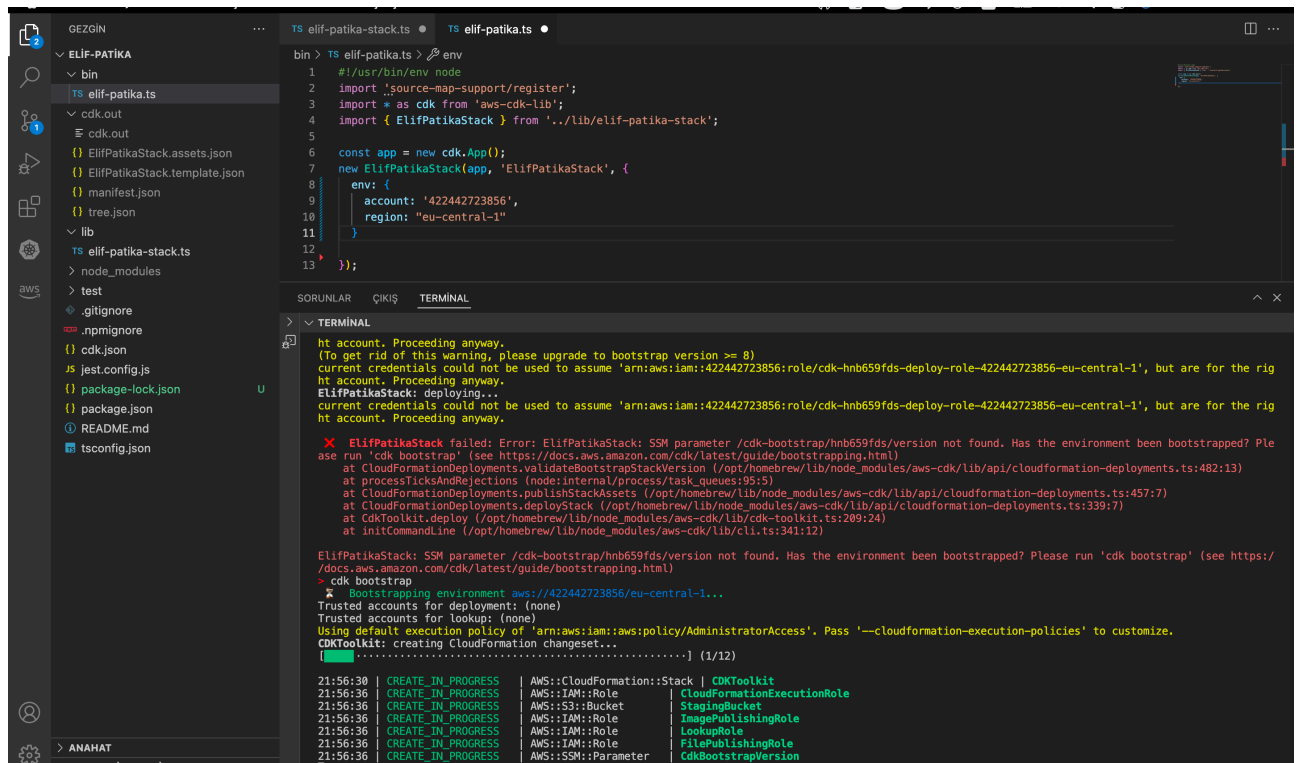
4. In Elif-Patika project in /bin folder:

```
bin > TS elif-patika.ts >  env
1  #!/usr/bin/env node
2  import 'source-map-support/register';
3  import * as cdk from 'aws-cdk-lib';
4  import { ElifPatikaStack } from '../lib/elif-patika-stack';
5
6  const app = new cdk.App();
7  new ElifPatikaStack(app, 'ElifPatikaStack', {
8    env: {
9      account: '422442723856',
10     region: 'eu-central-1'
11   }
12 }
13 });
```

5. cdk synth command usage:

```
> aws s3 ls
> cdk synth ElifPatikaStack
Resources:
  CDKMetadata:
    Type: AWS::CDK::Metadata
    Properties:
      Analytics: v2:deflate64:H4sIAAAAAAAAA/zPSMzLXM1BMLC/WTU7J1s3JTNRdI5JTM7WcU7LC0otzi8tSk4FsZ3z81IySzlZ82p18vJTUVWYivXLDC30jIGas4ozM3WLSVNMKnNT9YIgNAD4/I
oEWAAAAA==
    Metadata:
      aws:cdk:path: ElifPatikaStack/CDKMetadata/Default
      Condition: CDKMetadataAvailable
Conditions:
  CDKMetadataAvailable:
    Fn::Or:
      - Fn::Or:
          - Fn::Equals:
              - Ref: AWS::Region
              - af-south-1
          - Fn::Equals:
              - Ref: AWS::Region
              - ap-east-1
          - Fn::Equals:
              - Ref: AWS::Region
              - ap-northeast-1
          - Fn::Equals:
              - Ref: AWS::Region
              - ap-northeast-2
          - Fn::Equals:
              - Ref: AWS::Region
              - ap-south-1
          - Fn::Equals:
              - Ref: AWS::Region
              - ap-southeast-1
          - Fn::Equals:
              - Ref: AWS::Region
              - ap-southeast-2
          - Fn::Equals:
              - Ref: AWS::Region
              - ca-central-1
          - Fn::Equals:
              - Ref: AWS::Region
              - cn-north-1
          - Fn::Equals:
              - Ref: AWS::Region
              - cn-northwest-1
      - Fn::Or:
          - Fn::Equals:
              - Ref: AWS::Region
              - eu-central-1
```

6. cdk bootstrap command usage:



```
bin > TS elif-patika.ts > env
1 #!/usr/bin/env node
2 import 'source-map-support/register';
3 import * as cdk from 'aws-cdk-lib';
4 import { ElifPatikaStack } from '../lib/elif-patika-stack';
5
6 const app = new cdk.App();
7 new ElifPatikaStack(app, 'ElifPatikaStack', {
8   env: {
9     account: '422442723856',
10    region: 'eu-central-1'
11  }
12 });
13
```

Terminal Output:

```
ht account. Proceeding anyway.
(To get rid of this warning, please upgrade to bootstrap version >= 8)
current credentials could not be used to assume 'arn:aws:iam:422442723856:role/cdk-hnb659fds-deploy-role-422442723856-eu-central-1', but are for the rig
ht account. Proceeding anyway.
ElifPatikaStack: deploying...
current credentials could not be used to assume 'arn:aws:iam:422442723856:role/cdk-hnb659fds-deploy-role-422442723856-eu-central-1', but are for the rig
ht account. Proceeding anyway.

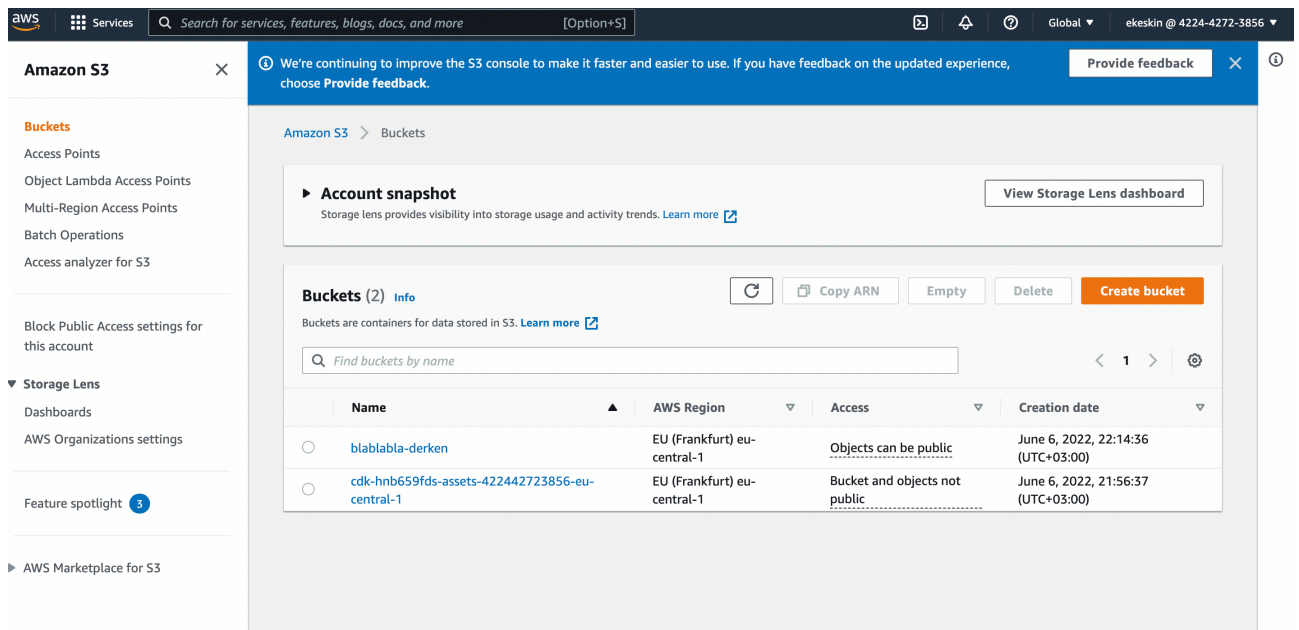
✖ ElifPatikaStack failed: Error: ElifPatikaStack: SSM parameter /cdk-bootstrap/hnb659fds/version not found. Has the environment been bootstrapped? Ple
ase run 'cdk bootstrap' (see https://docs.aws.amazon.com/cdk/latest/guide/bootstrapping.html)
    at CloudFormationDeployments.validateBootstrapStackVersion (/opt/homebrew/lib/node_modules/aws-cdk/lib/api/cloudformation-deployments.ts:482:13)
    at processTicksAndRejections (node:internal/process/task_queues:95:5)
    at CloudFormationDeployments.publishStackAssets (/opt/homebrew/lib/node_modules/aws-cdk/lib/api/cloudformation-deployments.ts:457:7)
    at CloudFormationDeployments.deployStack (/opt/homebrew/lib/node_modules/aws-cdk/lib/api/cloudformation-deployments.ts:339:7)
    at CdkToolkit.deploy (/opt/homebrew/lib/node_modules/aws-cdk/lib/cdk-toolkit.ts:209:24)
    at initCommandLine (/opt/homebrew/lib/node_modules/aws-cdk/lib/cli.ts:341:12)

ElifPatikaStack: SSM parameter /cdk-bootstrap/hnb659fds/version not found. Has the environment been bootstrapped? Please run 'cdk bootstrap' (see https:/
/docs.aws.amazon.com/cdk/latest/guide/bootstrapping.html)
> cdk bootstrap
★ Bootstrapping environment aws:///422442723856/eu-central-1...
Trusted accounts for deployments: (none)
Trusted accounts for lookup: (none)
Using default execution policy of 'arn:aws:iam::aws:policy/AdministratorAccess'. Pass '--cloudformation-execution-policies' to customize.
CDKToolkit: creating CloudFormation changeset...
[.....] (1/12)

21:56:30 | CREATE_IN_PROGRESS | AWS::CloudFormation::Stack | CDKToolkit
21:56:36 | CREATE_IN_PROGRESS | AWS::IAM::Role | CloudFormationExecutionRole
21:56:36 | CREATE_IN_PROGRESS | AWS::S3::Bucket | StagingBucket
21:56:36 | CREATE_IN_PROGRESS | AWS::IAM::Role | ImagePublishingRole
21:56:36 | CREATE_IN_PROGRESS | AWS::IAM::Role | LookupRole
21:56:36 | CREATE_IN_PROGRESS | AWS::IAM::Role | FilePublishingRole
21:56:36 | CREATE_IN_PROGRESS | AWS::SSM::Parameter | CdkBootstrapVersion
```

7. After cdk deploy ElifPatikaStack command:

Our Bucket:



Amazon S3 Buckets (2)

Name	AWS Region	Access	Creation date
blablabla-derken	EU (Frankfurt) eu-central-1	Objects can be public	June 6, 2022, 22:14:36 (UTC+03:00)
cdk-hnb659fds-assets-422442723856-eu-central-1	EU (Frankfurt) eu-central-1	Bucket and objects not public	June 6, 2022, 21:56:37 (UTC+03:00)