

# PREPARATION PHASE

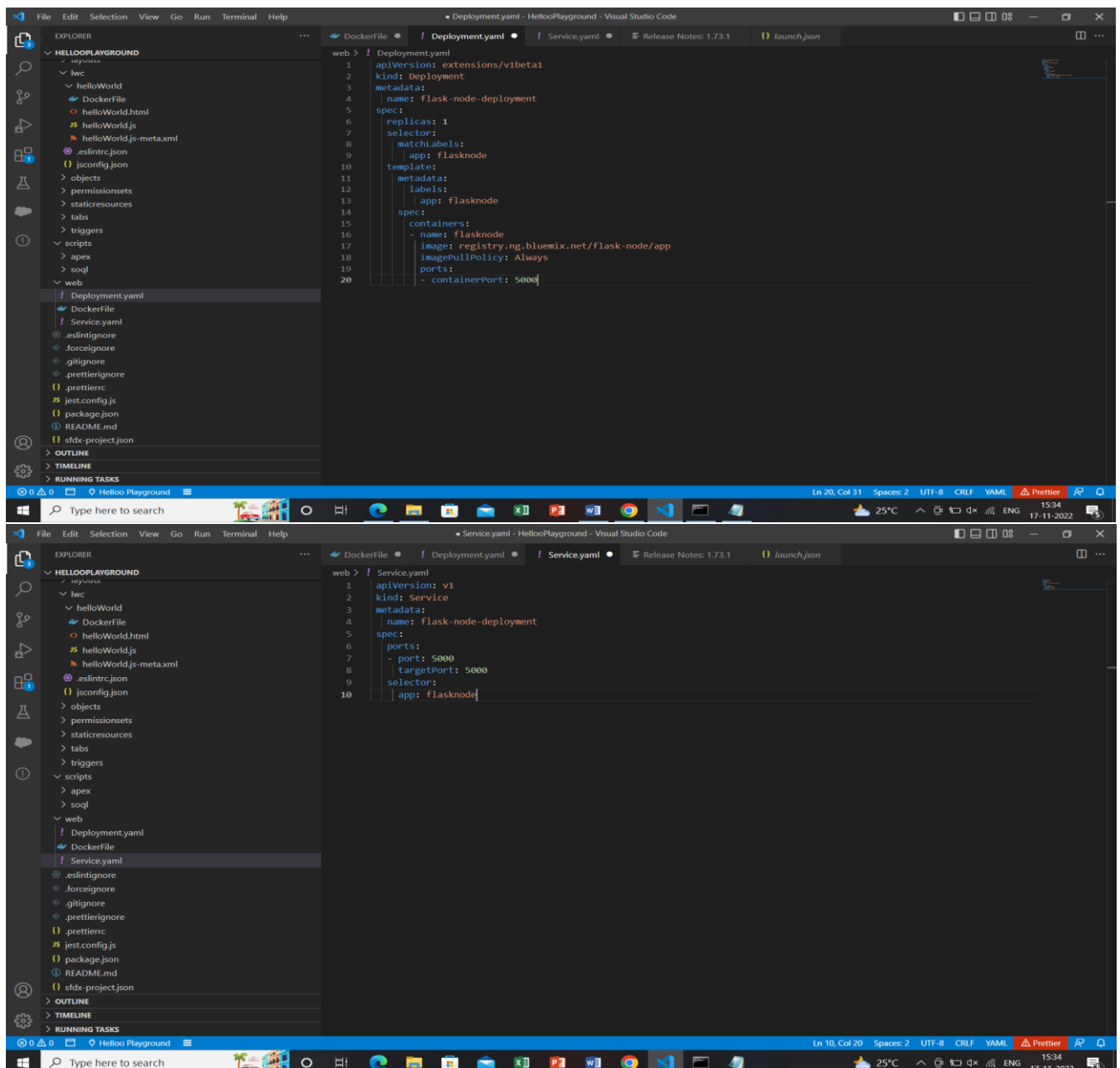
## Deployment of App in IBM Cloud

### Deploy in Kubernetes Cluster

Date	27 August 2022
Team ID	PNT2022TMID26477
Project Name	Personal Expense Tracker Application

(Continuation of **Deployment of App in IBM Cloud** and **Upload Image to IBM Container Registry**)

### STEP 6: Create Configuration files for Kubernetes



The top screenshot shows the Visual Studio Code interface with the 'Deployment.yaml' file open. The file contains the following YAML configuration:

```
1 apiVersion: extensions/v1beta1
2 kind: Deployment
3 metadata:
4   name: flask-node-deployment
5 spec:
6   replicas: 1
7   selector:
8     matchLabels:
9       app: flasknode
10  template:
11    metadata:
12      labels:
13        app: flasknode
14    spec:
15      containers:
16        - name: flasknode
17          image: registry.ng.bluemix.net/flask-node/app
18          imagePullPolicy: Always
19          ports:
20            - containerPort: 5000
```

The bottom screenshot shows the Visual Studio Code interface with the 'Service.yaml' file open. The file contains the following YAML configuration:

```
1 apiVersion: v1
2 kind: Service
3 metadata:
4   name: flask-node-deployment
5 spec:
6   ports:
7     - port: 5000
8     targetPort: 5000
9   selector:
10     app: flasknode
```

## STEP 7: Deploying application to Kubernetes

