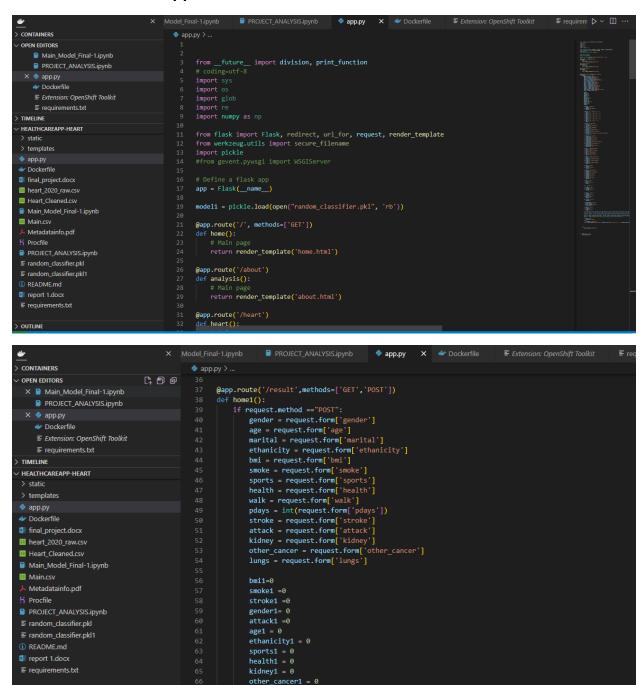
# **OPENSHIFT PROJECT DEPLOYMENT**

#### STEP1: Create flask app

> OUTLINE



lungs1 = 0

```
CONTAINERS
                                                                                                               C+ 🗗 🗊
✓ OPEN EDITORS
              Main Model Final-1.ipynb
                                                                                                                                                                                                           if lungs == 'Yes-1':
                                                                                                                                                                                                          lungs1 =1
elif lungs == 'No-2':
lungs1 = 2
            PROJECT ANALYSIS.ipvnb
     × 🌼 app.py
          Dockerfile
            print(bmi,smoke,stroke ,gender,attack,age,ethanicity,sports,health,kidney,other_cancer,lungs,mar
    × ≣ requirements.txt
 TIMELINE
                                                                                                                                                                                                           print(bmi1,smoke1 ,stroke1 ,gender1,attack1,age1,ethanicity1,sports1,health1,kidney1,other cance
V HEALTHCAREAPP-HEART
   > static
                                                                                                                                                                                                          predict = model1.predict([[bmi1,smoke1 ,stroke1 ,gender1,attack1,age1,ethanicity1,sports1,health
#predict = model1.predict([[1.0,1,2.0,2,2.0,5,1,1.0,2.0,2.0,2,1.0,1.0,2.0,2.0]])
                                                                                                                                                                                                          if predict == 0 :
 final_project.docx
                                                                                                                                                                                                         else:
| prediction = "Not Good"
| return render_template("result.html", prediction_text="Heart status is --> {}".format(prediction_text="Heart status is --> {}".format(predic
  ■ Heart_Cleaned.csv
  Main_Model_Final-1.ipynb
 ■ Main.csv
                                                                                                                                                                                                          render_template('home.html')
                                                                                                                                                                               if name == ' main ':
                                                                                                                                                                                           app.run(debug=True)
```

**STEP 2: Create docker file** 

```
Dockerfile

1 FROM python

2 RUN apt-get update && apt-get install -y default-libmysqlclient-dev

3 RUN pip install --upgrade pip

4 WORKDIR /app

5 RUN pip install flask

6 RUN pip install flask-mysqldb

7 RUN pip install pyyaml

8 RUN pip install numpy

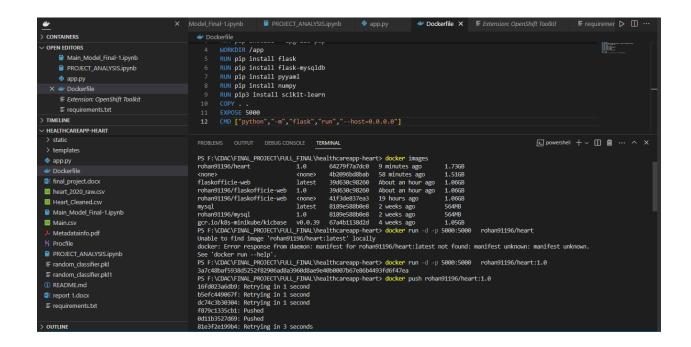
9 RUN pip3 install scikit-learn

10 COPY . .

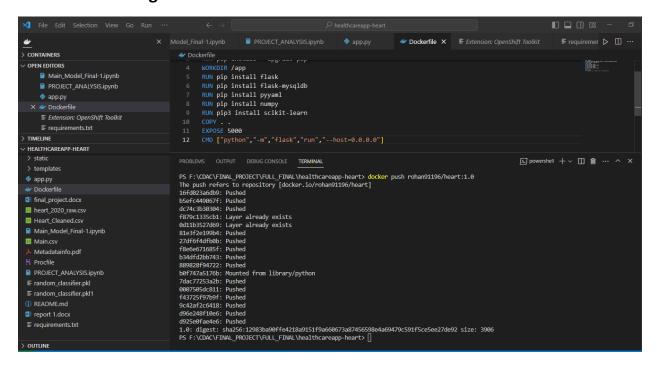
11 EXPOSE 5000

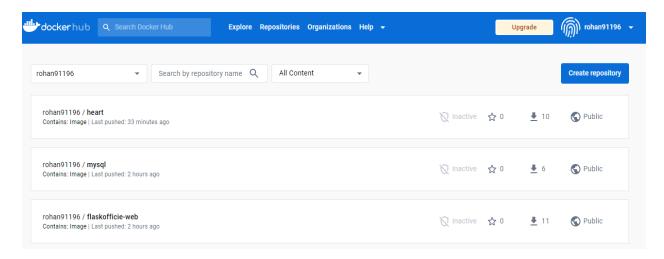
12 CMD ["python","-m","flask","run","--host=0.0.0.0"]
```

**STEP 3: Create docker image** 

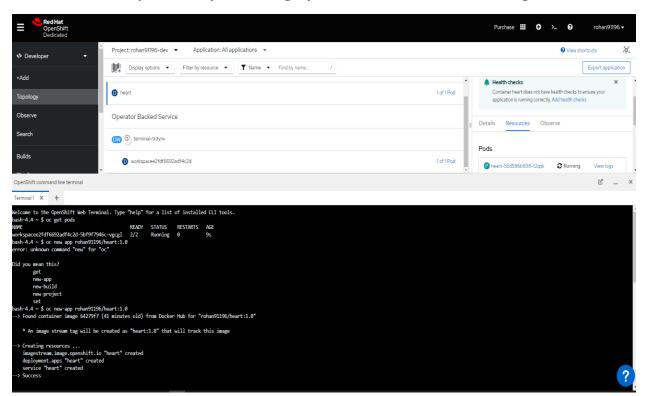


#### STEP 4: Push images to docker hub

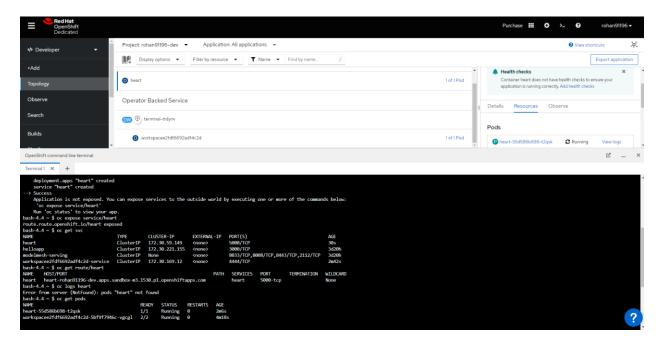




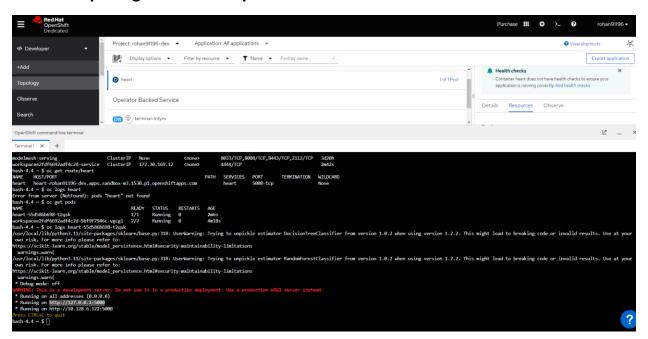
STEP 5: Create open shift pods using openshift cli with docker image



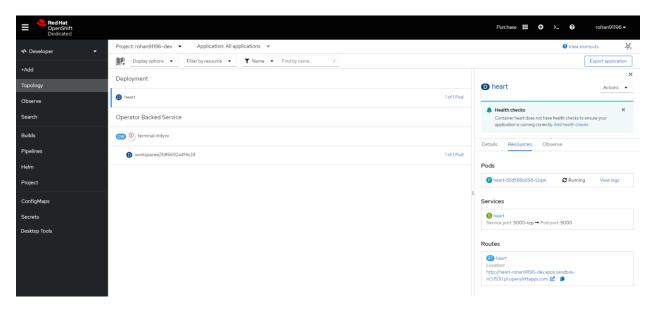
STEP 6: As pods are get created now exposing the services of pods



STEP 8: Exposing the route of pods and services

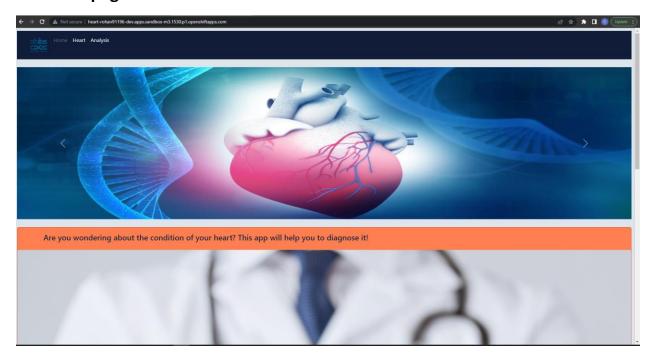


**STEP 9: Checking pod status** 

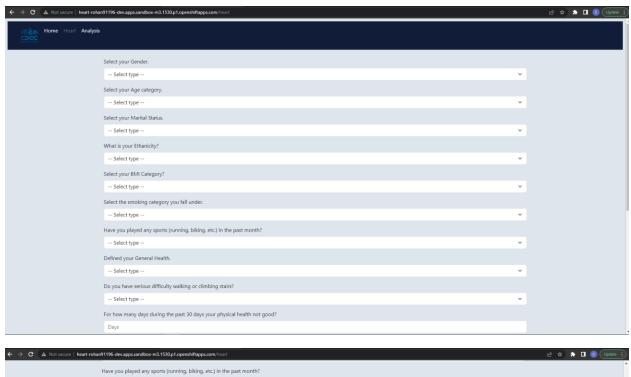


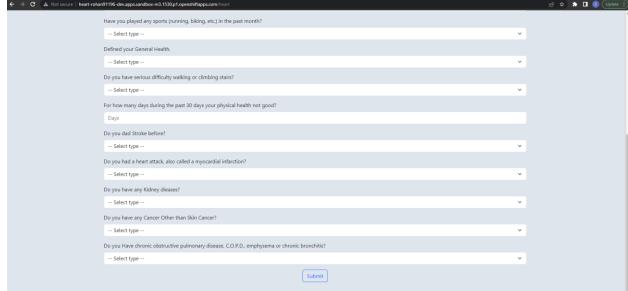
STEP 10: Opening the route and enjoying app

### a. Home page



### b. Parameter page

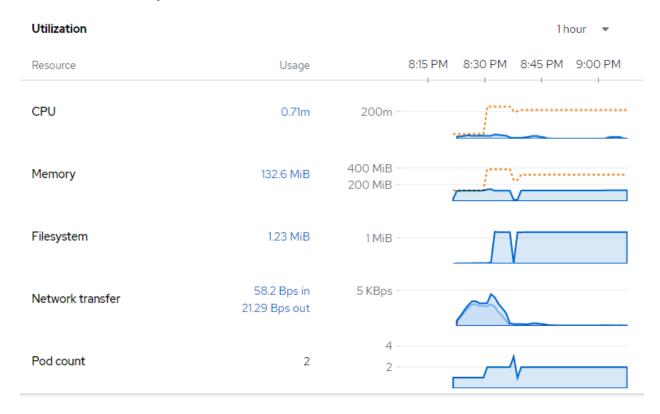




## c. Result Page



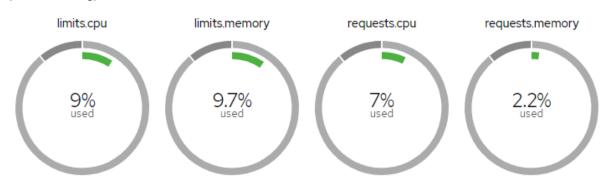
# **STEP 11: Summary Dashboard**





4 resources, none are at quota

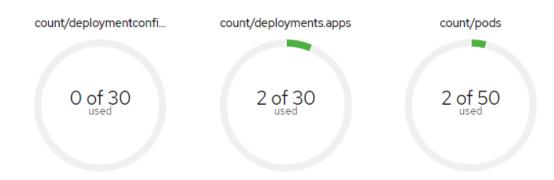
(NotTerminating)





▼ ACRQ for-rohan91196-deployments

3 resources, none are at quota







▼ ACRQ for-rohan91196-services

1 resource, none are at quota

#### count/services

