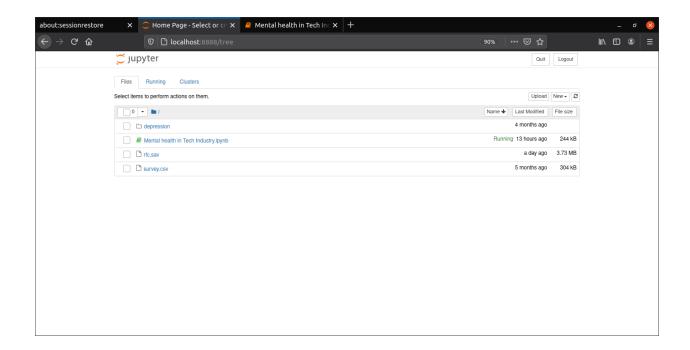
Name: Colin Mburugu

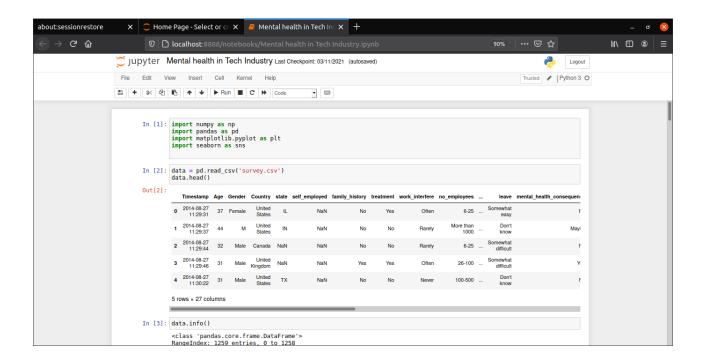
Batch: LISUMO1

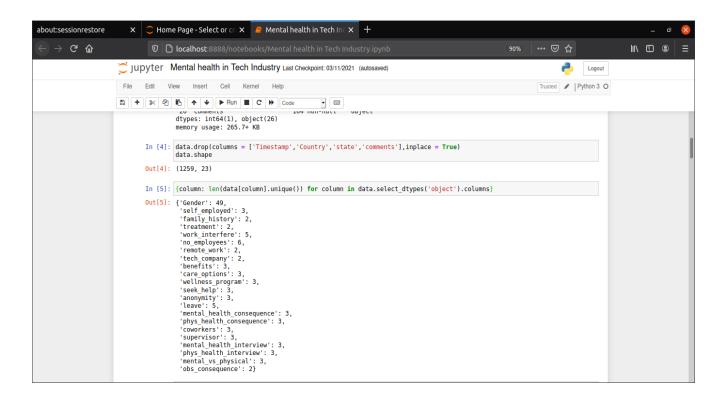
Submission_date: 4/07/2021

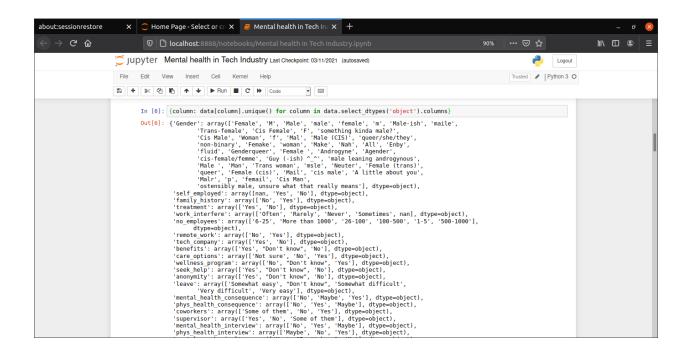
Submission_to : Data Glacier

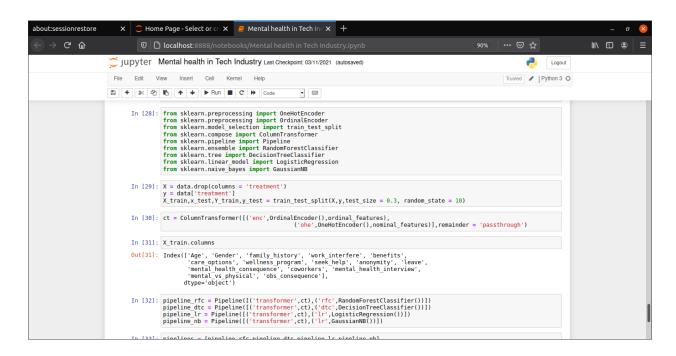


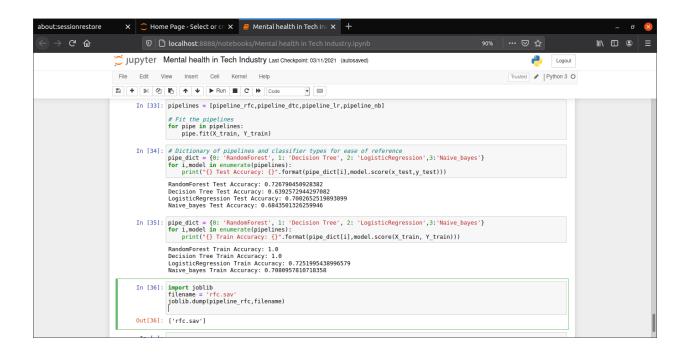
Jupyter notebook screenshots showing model creation process:











VS Code Screenshots showing model deployment process:

```
views.py - Project - Visual Studio Code
<u>F</u>ile <u>E</u>dit <u>S</u>election <u>V</u>iew <u>G</u>o <u>R</u>un <u>T</u>erminal <u>H</u>elp
                                                                                                                                                                                                                                                                                                                                                                                                                                # main ▷ M ·
  C
                                                                           4 from sklearn.preprocessing import OneHotEncoder
5 from sklearn.preprocessing import OrdinalEncoder
6 from sklearn.compose import ColumnTransformer
7 from sklearn.pipeline import Pipeline
8 import joblib
9 import piblib
10 import numpy as np
10 import pandas as pd
11
            ∨ PROJECT [‡ 日ひ 🗗
                                                                                  # Create your views here.
def index(request):
                                                                                                          return render(request.'index.html')
                       urls.py
                         views.py
                                                                                                            if request.method == 'POST':
                                                                                                                      request.method == 'POST':
    Age = request.POST['Age']
    Gender = request.POST['Gender']
    family_history = request.POST['mork_interfere']
    work_interfere = request.POST['work_interfere']
    benefits = request.POST['work_interfere']
    care_options = request.POST['work_interfere']
    wellness_program = request.POST['watlness_program']
    wellness_program = request.POST['watlness_program']
    seek_help = request.POST['seek_help']
    anonymity = request.POST['anonymity']
    leave = request.POST['leave']
    mental health_consequence = request.POST['mental health_consequence']

√ templates

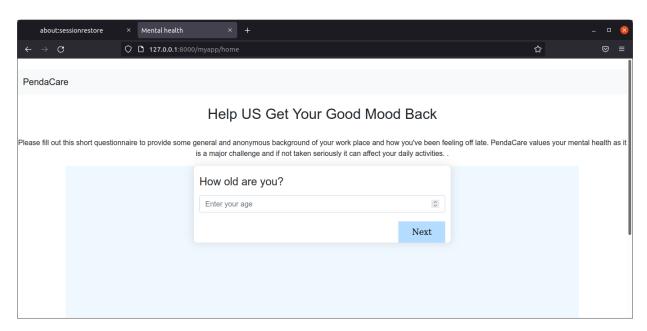
                        o index.html
                         o results.html
                 > OUTLINE
                                                                                                                                                                                                                                                                                                                                                        Ln 98, Col 53 Spaces: 8 UTF-8 LF Python 🗷
```

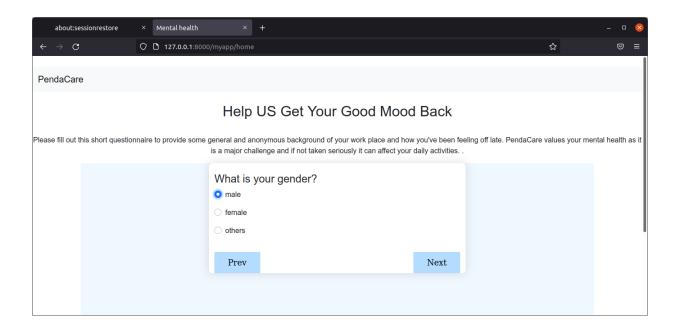
```
views.py - Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
                                                                     Ф
                                                                                      full = int(request.POST['full'])
                                                                                     better = int(request.POST['better'])
things = int(request.POST['things'])
                                                                                     data = [Age,Gender,family_history,work_interfere,benefits,care_options,
    wellness_program,seek_help,anonymity,leave,mental_health_consequence,coworkers,
    mental_health_interview,mental_vs_physical.obs_consequence]
cols= ['Age', 'Gender', 'family_history', 'work_interfere', 'benefits',
'care_options', 'wellness_program', 'seek_help', 'anonymity', 'leave',
'mental_health_consequence', 'coworkers', 'mental_health_interview',
'mental_vs_physical', 'obs_consequence']
                 apps.py
                 models.pv
                                                                                       vars = [down,best,cry,sleep,eat,look,weight,heart,constipation,tired,clear,easy,still,
future,irritable,decision,need,full,better,things]
                                                                                       global index
index = str((sum(vars) * 100)/80)
                  > admin
                                                                                       df = pd.DataFrame([data],columns= cols)
model = joblib.load('myapp/rfc.sav')
arr = np.array(data)
classification = model.predict(df)
                                                                                       result = str(classification[0])
print(result)
                  O home.html
                  o index.html
                                                                                        print(index)
```

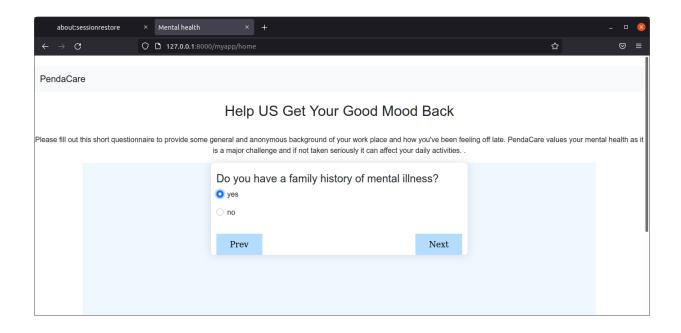
Landing Page for the model:

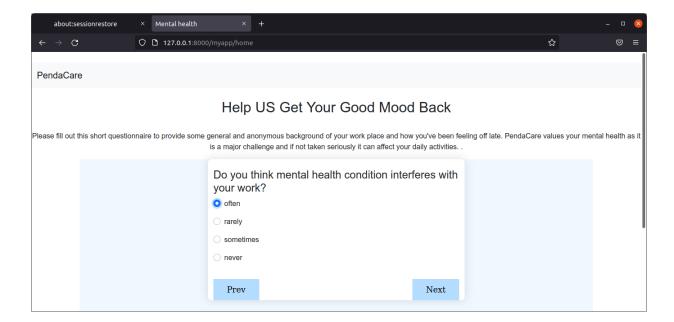


Sample questions that will be interacting with the model :



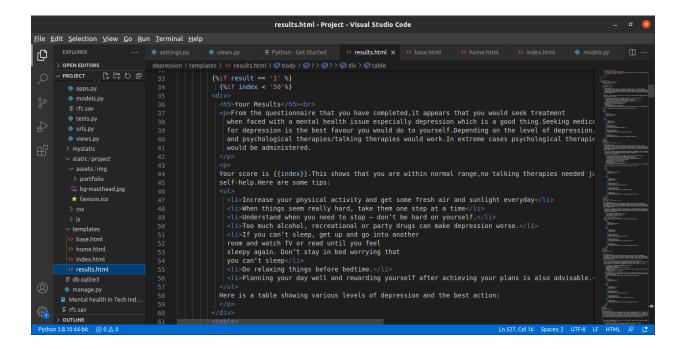






Each variable in the dataset will have such question which will be interacting with the model.

The result code based on prediction of the model



The result screenshot:

