

Sprint 4 -Visualising prediction result:

CODE:

```
dtree = DecisionTreeClassifier()
dtree = dtree.fit(X_train, y_train)
result=dtree.predict(df)
print("result : ",result)
result_dict={0:"0-10 days",1:"10-20 days",2:"20-30 days",3:"30-40
days",4:"40-50 days",5:"50-60 days",6:"60-70 days",7:"70-80 days",8:"80-90
days",9:"90-100 days",10:"more than 100 days"}
result=result_dict[result[0]]
return render_template("index.html",result=result)
```

OUTPUT :

c

Department :
radiotherapy

Ward Type :
r

Ward Facility Code :
f

Admission type :
emergency

Severity of Illness :
extreme

Age :
51-60

PREDICT

Predicted length of stay of patient : 40-50 days

This shows the visualisation of prediction result that is obtained as the output of the decision tree model created and used for predicting the length of stay of the patient.