#Import required librairies

import pandas as pd

import dash

import dash\_html\_components as html

import dash\_core\_components as dcc

from dash.dependencies Input, Output, state

import plotly.graph\_objects as go

import plotly.express as px

from dash import no\_update

#create a dash application

app = dash, Dash (-name-)

# Application layout

app.layout =html.Div(children=[

# TASK1: Add title to the dashboard

# Enter your code below. Make sure you have correct formating

html.H1('US Domestic Airline Flights Performance',

style={'textAlign' : 'center',

'color' : '#503D36',

'font-size' : 24})

# TASK2: Add a dropdown

# Enter your code below. Makesure you have correct formatting.

dcc.Dropdown(id-'input-type',

Options=[

{'label' : Yearly Airline Performance Report', 'value' : ''OPT1'},

{'label' : Yearly Airline Delay Report;, 'Value' : 'OPT2'}

],

placeholder= 'Select a report type',

style={'width': '80%', 'padding' : '3px', 'font-size' : '20px', 'text-align-last': 'center'}

# Place them next to each other using the division style

], style={'display': 'flex'},

#TASK3: Add a division with two empty divisions inside.

#Enter your code below. Make sure you have correct formatting.

html.Div([ ]), id='plot4'),

html.Div([ ]), id='plot5')

], style={'display' : 'flex'}),

])

# Callback function definition

# TASK4: Add 5 output components

# Enter your code below. Make sure you have the correct formatting

@app.callback( [ Output(component\_id='plot1', component\_property = 'children'),

Output(component\_id='plot2', component\_property = 'children')

Output(component\_id='plot2', componenet\_property= 'children'),

Output(component\_id='plot3', component\_property = 'children'),

Output(component\_id='plot4', component\_property)= 'children')],

#TASK5: Average flight time by reporting airline

# Enter your code below. Make sure you have correct formatting.

line\_fig = px.line(line\_data, x= 'Month', y= 'AirTime', color= 'Reporting\_Airline', title= 'Average monthly flight time (minutes) by airline')

#TASK6: Number of flights flying to each state from each reporting airline

#Enter your code below. Make sure you correct formatting.

tree\_fig = px.treemap(tree\_data, path=['DestState', 'Reporting\_Airline'],

values= 'Flights',

color= 'Flights',

color\_continuous\_scale='RdBU',

title= 'Flight count by airline to destination state'

)

# Run the app

if \_\_name\_\_ == '\_\_main\_\_':

app.run\_server()