```
 1 import streamlit as st
 2 import pickle
 3 import pandas as pd
 4
 5
 6 teams = ['Sunrisers Hyderabad',
 7  'Mumbai Indians',
 8  'Royal Challengers Bangalore',
 9  'Kolkata Knight Riders',
10  'Kings XI Punjab',
11  'Chennai Super Kings',
12  'Rajasthan Royals',
13  'Delhi Capitals']
14
15 cities = ['Hyderabad', 'Bangalore', 'Mumbai', 'Indore
   ', 'Kolkata', 'Delhi',
16        'Chandigarh', 'Jaipur', 'Chennai', 'Cape Town'
   , 'Port Elizabeth',
17        'Durban', 'Centurion', 'East London', '
   Johannesburg', 'Kimberley',
18        'Bloemfontein', 'Ahmedabad', 'Cuttack', '
   Nagpur', 'Dharamsala',
19        'Visakhapatnam', 'Pune', 'Raipur', 'Ranchi', '
   Abu Dhabi',
20        'Sharjah', 'Mohali', 'Bengaluru']
21
22 pipe = pickle.load(open('pipe.pkl','rb'))
23 st.title('IPL Win Predictor')
24
25 col1, col2 = st.columns(2)
26
27 with col1:
28     batting_team = st.selectbox('Select the batting
   team',sorted(teams))
29 with col2:
30     bowling_team = st.selectbox('Select the bowling
   team',sorted(teams))
31
32 selected_city = st.selectbox('Select host city',
   sorted(cities))
33
```

```
target = st.number_input('Target')

col3,col4,col5 = st.columns(3)

with col3:
    score = st.number_input('Score')
with col4:
    overs = st.number_input('Overs completed')
with col5:
    wickets = st.number_input('Wickets out')

if st.button('Predict Probability'):
    runs_left = target - score
    balls_left = 120 - (overs*6)
    wickets = 10 - wickets
    crr = score/overs
    rrr = (runs_left*6)/balls_left

    input_df = pd.DataFrame({'batting_team':[batting_team],'bowling_team':[bowling_team],'city':[selected_city],'runs_left':[runs_left],'balls_left':[balls_left],'wickets':[wickets],'total_runs_x':[target],'crr':[crr],'rrr':[rrr]})

    result = pipe.predict_proba(input_df)
    loss = result[0][0]
    win = result[0][1]
    st.header(batting_team + "- " + str(round(win*100)) + "%")
    st.header(bowling_team + "- " + str(round(loss*100)) + "%")
```