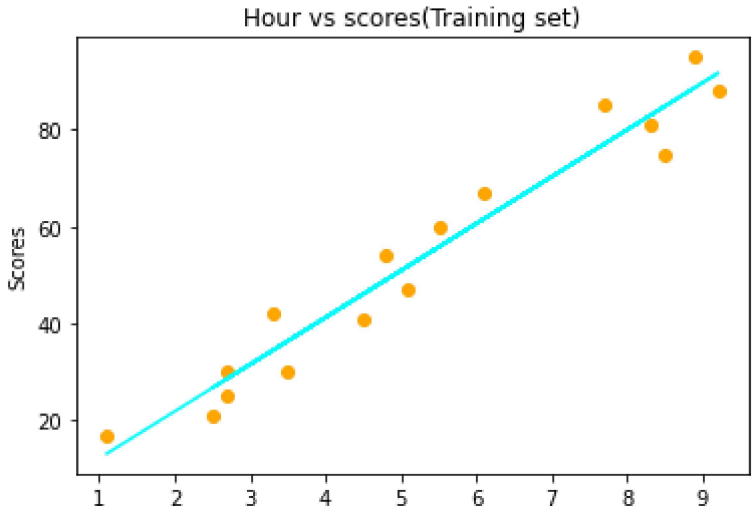
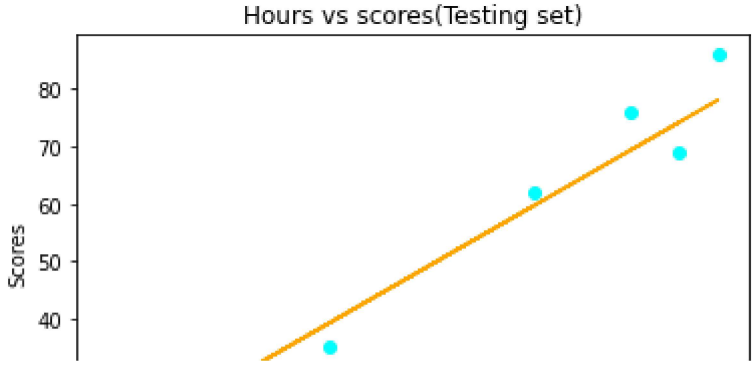
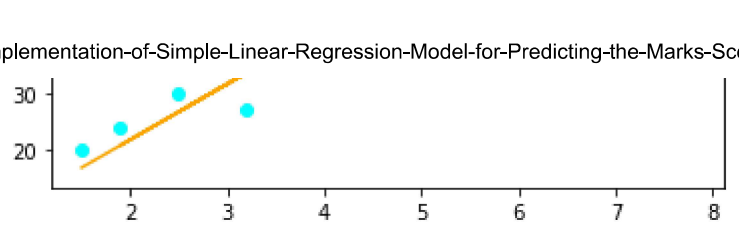
In [4]:

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
dataset= pd.read_csv('student_scores.csv')
dataset.head()
X=dataset.iloc[:,:-1].values
X
y=dataset.iloc[:,1].values
y
from sklearn.model_selection import train_test_split
X_train,X_test,y_train,y_test=train_test_split(X,y,test_size=1/3,random_stat
from sklearn.linear_model import LinearRegression
regressor=LinearRegression()
regressor.fit(X_train,y_train)
y_pred=regressor.predict(X_test)
y_pred
y_test
plt.scatter(X_train,y_train,color='orange')
plt.plot(X_train,regressor.predict(X_train),color='cyan')
plt.title("Hour vs scores(Training set)")
#plt.xlabel("Hours")
plt.ylabel("Scores")
plt.show()
plt.scatter(X_test,y_test,color='cyan')
plt.plot(X_test,regressor.predict(X_test),color='orange')#plotting the regre
plt.title("Hours vs scores(Testing set)")
#plt.xlabel("Hours")
plt.ylabel("Scores")
plt.show()
```







In [ ]: