Q1)

Q2)

```
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LogisticRegression
from sklearn.metrics import accuracy_score
import pandas as pd

data = pd.read_csv("accidentcleaned.csv");
data

features = ['Age', 'Speed']
target='Survival'

X= data[features]
y= data[target]

X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2)

model = LogisticRegression()
model.fit(X_train, y_train)

y_pred = model.predict(X_test)
```

```
accuracy = accuracy_score(y_test,y_pred)
print("Accuracy:", accuracy )

Survive = pd.DataFrame({
'Age': [39],
'Speed': [60]
})
predicted= model.predict(Survive)
print("Predicted Survival:", predicted[0])
```