

AFLl ASSIGNMENT – 1

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Semester : 3

Section : F

Question : Implement a python program which accepts the strings belonging to the grammar $S \rightarrow aS \mid Sb \mid ab$

Answer : Python Code : -

```
str = input("Enter a string : ")
print("Entered string is : ", str)
c = str.count("a") + str.count("b")
a = str.rfind("a")
b = str.find("b")
if c != len(str) or str[0] == "b" or str[len(str) - 1] == "a" or a > b:
    print("String rejected")
else:
    print("String accepted")
```

JFLAP : -

