Exercise

1. train a NB classifier to predict "Class" using the following training data:

Name	Give Birth	Can Fly	Live in Water	Have Legs	Class
human	yes	no	no	yes	mammal.
python	no	no	no	no	non-mammal
salmon	no	no	yes	no	non-mammal
whale	yes	no	yes	no	mammal
frog	no	no	sometimes	yes	non-mammal
komodo	no	no	no	yes	non-mammal
bat	yes	yes	no	yes	mammal
pigeon	no	yes	no	yes	non-mammal
cat	yes	no	no	yes	mammal
leopard shark	yes	no	yes	no	non-mammal
turtle	no	no	sometimes	yes	non-mammal
penguin	no	no	sometimes	yes	non-mammal
porcupine	yes	no	no	yes	mammal
eel	no	no	yes	no	non-mammal
salamander	no	no	sometimes	yes	non-mammal
gila monster	no	no	no	yes	non-mammal
platypus	no	no	no	yes	mammal
owl	no	yes	no	yes	non-mammal
dolphin	yes	no	yes	no	mammal
eagle	no	yes	no	yes	non-mammal

2. use your classifier to predict the class of the following example:

Give Birth	Can Fly	Live in Water	Have Legs	Class
yes	no	yes	no	?