**geom\_bar() Function Assignment**

**Problem Statement:**

Sam’s next exam is on ‘geom\_bar()’ function from the ggplot2 package. The questions will be asked on the basis of what you’ve learnt in the respective module.

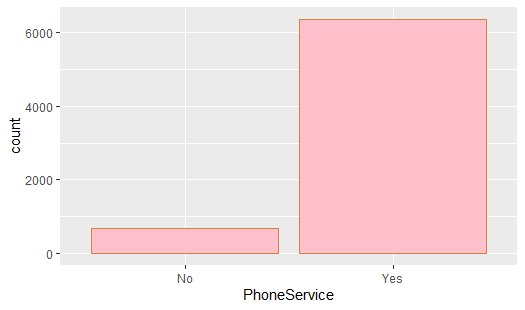
Questions:

1. Build a bar-plot for the ‘PhoneService’ column

a. Assign the fill color to be ‘pink’

b. Assign the boundary color to be ‘peru’

> ggplot(data=customer\_churn, aes(x=PhoneService))+geom\_bar(fill='pink', col='peru')



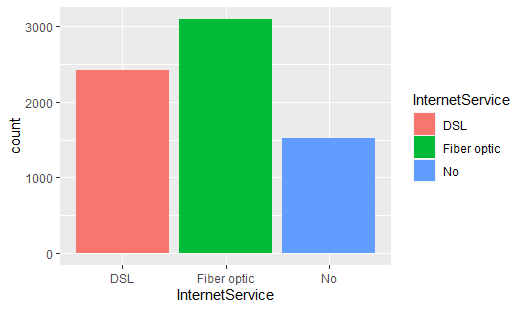
2. Build a bar-plot for the ’InternetService’ column

a. Assign ‘InternetService’ to the fill aesthetic

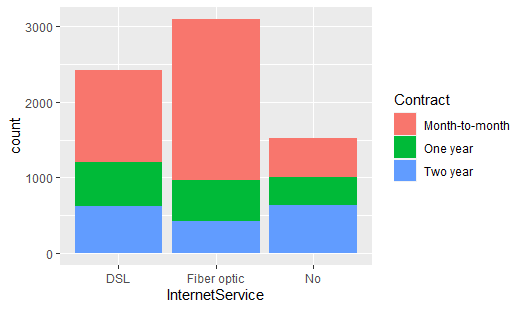
b. Assign ‘Contract’ to the fill aesthetic

c. Change the position of bars to ‘identity’

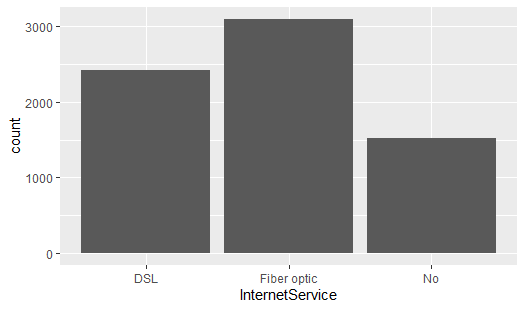
> ggplot(data=customer\_churn, aes(x=InternetService, fill=InternetService))+geom\_bar()



> ggplot(data=customer\_churn, aes(x=InternetService, fill=Contract))+geom\_bar()



> ggplot(data=customer\_churn, aes(x=InternetService))+geom\_bar(position = "identity")



3. Build a bar-plot for ‘TechSupport’ column

a. Assign ‘Churn’ to the fill aesthetic

> ggplot(data=customer\_churn, aes(x=TechSupport, fill=Churn))+geom\_bar()

