## Analysis of Sales Data from Pharm Company

#### Connect to Database

#### Question 1: Top five sales reps with the most sales broken down by year

```
## 5 5 Helmut Schwab : 8924 Helmut Schwab : 11132
## 2022
## 1 Walison da Silva : 26588
## 2 Lynette McRowe : 18676
## 3 Prasad Patel : 11592
## 4 Aneeta Kappoorthy : 11316
## 5 Helmut Schwab : 6900
```

#### Question 2: Total sold per year per region

```
sql <- "SELECT year FROM sales_facts GROUP BY year"</pre>
yearList <- dbGetQuery(dbcon, sql)</pre>
sql <- "SELECT territory FROM sales_facts GROUP BY territory"</pre>
regionList <- dbGetQuery(dbcon, sql)</pre>
df <- data.frame(region = regionList$territory)</pre>
for (i in 1:nrow(yearList)){
  year <- yearList$year[i]</pre>
  sql <- paste("SELECT territory, year, totalSales</pre>
                 FROM sales facts
                 WHERE year = ", year, "
                 GROUP BY territory
                 ORDER BY territory")
  result <- dbGetQuery(dbcon, sql)</pre>
  df <- cbind(df, result$totalSales)</pre>
  colnames(df)[i+1] = year
print(df)
##
                        2020
                                 2021
                                          2022
             region
## 1
               East 648384 1181313 877213
               EMEA 1314520 1654609 1301654
```

## ## 3 South America 764819 1805899 975368 ## 4 West 814449 1406778 565130

### Question 3:Total sold per quarter per year

# Total sold per quarter per year

