

3(a)

```
list.files()
```

```
getwd()
```

```
bank_data <- read.csv("C:/labDSR/bankdata.xls")
```

```
bank_data
```

```
sampbanks <- na.exclude(bank_data)
```

```
sampbanks
```

```
head(bank_data)
```

```
dim(bank_data)
```

```
nrow(bank_data)
```

```
nrow(bank_data)
```

```
str(bank_data)
```

```
colnames(bank_data)
```

```
plot(bank_data)
```

// line graph

```
pl <- ggplot() + geom(aes(y = income, x =  
children), data = bank_data)
```

```
pl
```

// point graph

```
plot(bank_data[, 'Income'], bank_data[, 'children'])
```

3(b) getwd()

```
setwd("C:/Program Files/RStudio/R/Dataset")
```

```
getwd()
```

```
sales_delim <- read.delim("Mar-Basket-Software.xls",  
sep = ";")
```

```
sales_delim
```

```
vec <- c(2, 3, 4, 5, 6)
```

```
data3 <- sales_delim
```

```
data3 <- cbind(sales_delim, size = vec)
```

```
data3
```