

1) Here is an example of how to perform basic R operations including data input, handling missing values, and importing data from different formats:

Data input:

```
# Input data using the c() function
```

```
x <- c(1, 2, 3, 4, 5)
```

```
# View the data
```

```
x
```

```
#Handling missing values:
```

```
# Input data with missing values
```

```
y <- c(1, NA, 3, 4, NA)
```

```
# View the data with missing values
```

```
y
```

```
# Remove missing values
```

```
y_clean <- y[!is.na(y)]
```

```
# View the data without missing values
```

```
y_clean
```

2) Importing data into R using different formats:

```
# Import data from a .xlsx file
```

```
library(readxl)
```

```
data_xlsx <- read_excel("data.xlsx")
```

```
# View the imported data
```

```
head(data_xlsx)
```

```
# Import data from a .csv file
```

```
data_csv <- read.csv("data.csv")
```

```
# View the imported data
```

```
head(data_csv)
```

```
# Import data from a .txt file
```

```
data_txt <- read.table("data.txt")
```

```
# View the imported data
```

```
head(data_txt)
```

3 Creating dataframes:

```
#From scratch
```

```
df <- data.frame(
```

```
  Name = c("Gaurav", "Maya", "Prakash"),
```

```
  Age = c(30, 28, 35),
```

```
  Gender = c("Male", "Female", "Male")
```

```
)
```

```
#From a matrix
```

```
mat <- matrix(c(1, 2, 3, 4, 5, 6), nrow = 2, ncol = 3, byrow = TRUE)
```

```
df2 <- as.data.frame(mat)
```