

EXPERIMENT-LINEAR REGRESSION

CODE:

```
data=read.csv("diabetes.csv")
```

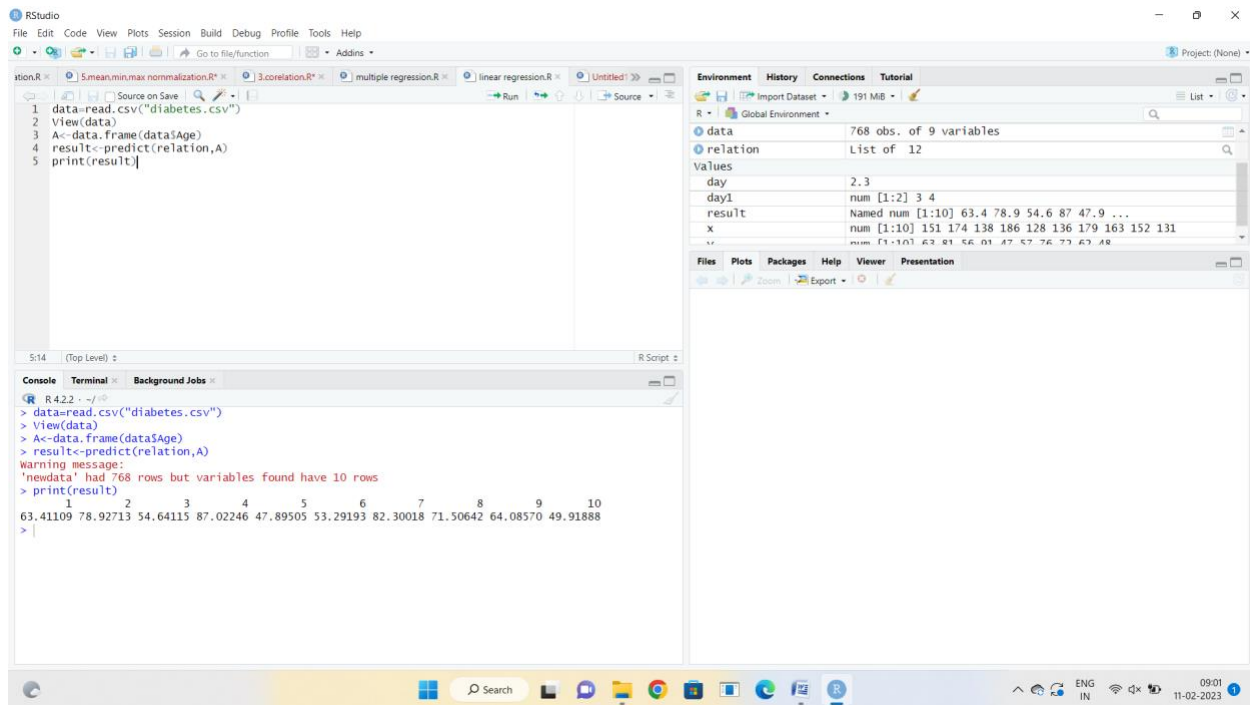
```
View(data)
```

```
A<-data.frame(data$Age)
```

```
result<-predict(relation,A)
```

```
print(result)
```

OUTPUT:



The screenshot shows the RStudio interface with the following components:

- Script Editor:** Contains the R code:

```
1 data=read.csv("diabetes.csv")
2 View(data)
3 A<-data.frame(data$Age)
4 result<-predict(relation,A)
5 print(result)
```
- Environment:** Shows the objects in the global environment:
 - `data`: 768 obs. of 9 variables
 - `relation`: List of 12
- Console:** Displays the execution output:

```
R 4.2.2 ~ /
> data=read.csv("diabetes.csv")
> View(data)
> A<-data.frame(data$Age)
> result<-predict(relation,A)
Warning message:
'newdata' had 768 rows but variables found have 10 rows
> print(result)
      1      2      3      4      5      6      7      8      9     10 
63.41109 78.92713 54.64115 87.02246 47.89505 53.29193 82.30018 71.50642 64.08570 49.91888
```