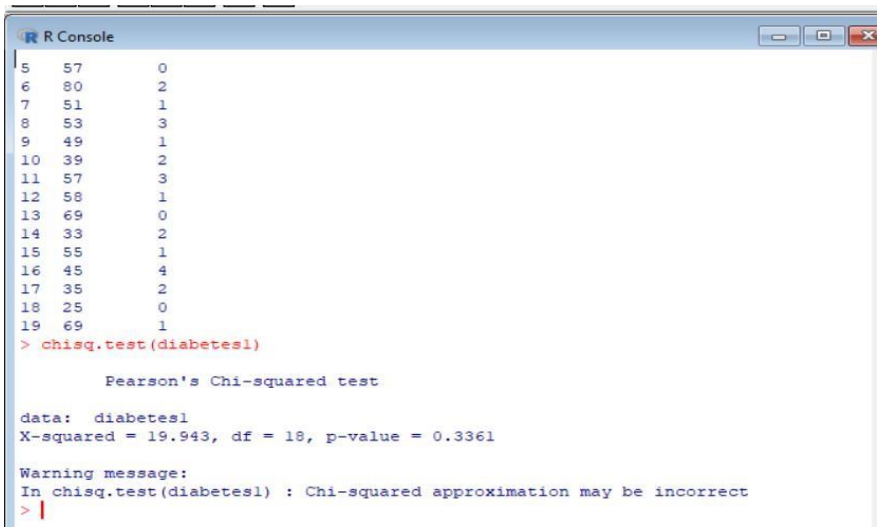
EXPERIMENT-3

PERFORM CORRELATION ANALYSIS AND NORMALIZATION USING R-TOOL

CORRELATION ANALYSIS

OUTPUT:



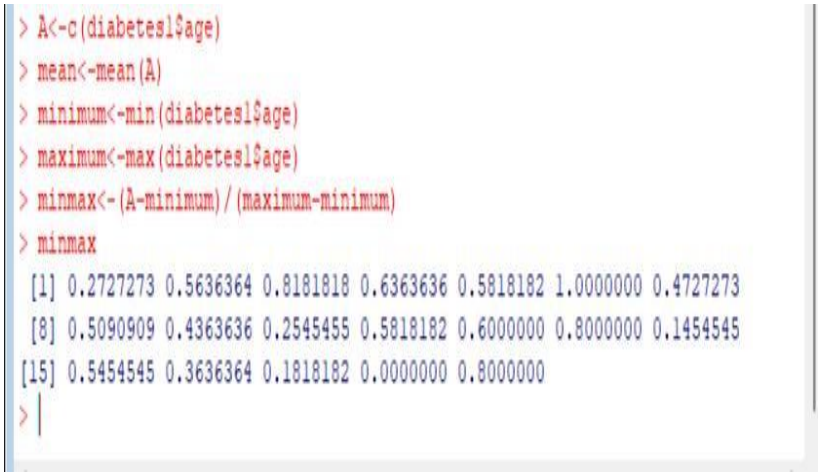
NORMALIZATION:

1) MIN-MAX NORMALIZATION

OUTPUT:

2) Z SCORE NORMALIZATION

OUTPUT



```
> A<-c(diabetes1$age)
> mean<-mean(A)
> std<-sd(A)
> zscore<-(A-mean)/std
> zcore
Error: object 'zcore' not found
> zscore
 [1] -0.89639817  0.23432815  1.22371368  0.51700973  0.30499855  1.93041763 -0.11902382  0.02231697 -0.26036461 -0.96706856  0.30499855  0.37566894  1.15304329 -1.39109093  0.16365776
[16] -0.54304619 -1.24975014 -1.95645410  1.15304329
>
```

3) DECIMAL SCALING NORMALIZATION

OUTPUT

```
> decimalscaling=(A/100)
> decimalscaling
 [1] 0.40 0.56 0.70 0.60 0.57 0.80 0.51 0.53 0.49 0.39 0.57 0.58 0.69 0.33 0.55 0.45 0.35 0.25 0.69
>
```