```r
setwd("C:\\Users\\PC\\Documents\\Year 2 Sem1\\Stat\\IT24101843")

#Excercise

#i
observed_counts <- c(120, 95, 85, 100)


#ii
probabilities <- c(0.25, 0.25, 0.25, 0.25)

#iii
chisq.test(x = observed_counts, p = probabilities)
```

```
> setwd("C:\\Users\\PC\\Documents\\Year 2 Sem1\\Stat\\IT24101843")
> #i
> observed_counts <- c(120, 95, 85, 100)
> #ii
> probabilities <- c(0.25, 0.25, 0.25, 0.25)
> #iii
> chisq.test(x = observed_counts, p = probabilities)

        Chi-squared test for given probabilities

data:  observed_counts
X-squared = 6.5, df = 3, p-value = 0.08966

>
```