

IT24101825

HERATH H.M.N.D

Lab sheet 10

Exercise

1.i,ii,iii

```
setwd("C:/Users/NAWEEN/OneDrive/Desktop/PS LABS")
```

```
getwd()
```

```
#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)
```

```
> #1
```

```
> observed_counts <- c(120, 95, 85, 100)
```

```
> probabilities <- c(0.25, 0.25, 0.25, 0.25)
```

```
> 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