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Reg No. - IT24100871
```

Module - PS

Lab 10

Exercise 01

(i)

(ii)

```
Console Terminal × Background Jobs ×

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> #2

> observed <- c(120,95,85,100)

> prob <- c(.25,.25,.25)

> chisq.test(x=observed,p=prob)

Chi-squared test for given probabilities

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

>
```

(iii)

```
Console Terminal × Background Jobs ×

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> #p value(0.08966) is greater than 0.05

> #So that, do not reject null hypotheses at 5%

> #Therefore we can conclude that Probability that customer's choice of four snack types (A, B,

> #C, D) will be same which is 0.25.

>
```