***By using R***

*Given that, n=1065, x=485 , population proportion specified value, P=0.45*

*Significance level ,α=0.10*

> x=485 #the no.of success

> n=1065 # sample of size

> prop.test(x,n,p=0.45,conf.level=0.90)

1-sample proportions test with continuity correction

data: x out of n, null probability 0.45

X-squared = 0.10457, df = 1, p-value = 0.7464

alternative hypothesis: true p is not equal to 0.45

90 percent confidence interval:

0.4299767 0.4810517

sample estimates:P

0.4553991

**Ans:**

**The lower bound is 0.43**

**The upper bound is 0.48**