Practical No. 08

AIM - Practical of Hypothesis Testing.

Source Code -

```
data <- seq(1, 20, by = 1)
data
mean(data)
sd(data)
a <- t.test(data, alternate = "two.sided", mu = 10, conf.int = 0.95)
a
a$p.value
a$statistics
```

OUTPUT -

```
> data <- seq(1, 20, by = 1)
> data
 [1]  1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20
> mean(data)
[1] 10.5
> sd(data)
[1] 5.91608
> a <- t.test(data, alternate = "two.sided", mu = 10, conf.int = 0.95)
> a

        One Sample t-test

data:  data
t = 0.37796, df = 19, p-value = 0.7096
alternative hypothesis: true mean is not equal to 10
95 percent confidence interval:
  7.731189 13.268811
sample estimates:
mean of x
     10.5

> a$p.value
[1] 0.7096465
> a$statistics
NULL
>
```