

```

1 getwd()
2 setwd("C:/Users/Havindu Sineth/Desktop/IT24300019ps lab 9")
3
4 #1
5 set.seed(123)
6 bake_time<-rnorm(25,mean=45,sd=2)
7 print(bake_time)

```

```

> getwd()
[1] "C:/Users/Havindu Sineth/Documents"
> setwd("C:/Users/Havindu Sineth/Desktop/IT24300019ps lab 9")
> #1
> set.seed(123)
> bake_time<-rnorm(25,mean=45,sd=2)
> print(bake_time)
[1] 43.87905 44.53965 48.11742 45.14102 45.25858 48.43013 45.92183 42.46988
[9] 43.62629 44.10868 47.44816 45.71963 45.80154 45.22137 43.88832 48.57383
[17] 45.99570 41.06677 46.40271 44.05442 42.86435 44.56405 42.94799 43.54222
[25] 43.74992

```

```

#ii
t.test(bake_time,mu=46,alternative = "less",conf.level = 0.95)
print(t.test)

```

```

> #ii
> t.test(bake_time,mu=46,alternative = "less",conf.level = 0.95)

```

One Sample t-test

```

data:  bake_time
t = -2.8167, df = 24, p-value = 0.004776
alternative hypothesis: true mean is less than 46
95 percent confidence interval:
 -Inf 45.58124
sample estimates:
mean of x
44.93334

```