IT24100301

Lab 09

```
getwd()
#1
set.seed(123)
bake_time<-rnorm(25,mean=45,sd=2)
print(bake_time)
#ii
t.test(bake_time,mu=46,alternative = "less",conf.level = 0.95)
print(t.test)
```

```
> #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 43.62629 44.10868 47.44816 45.71963
[13] 45.80154 45.22137 43.88832 48.57383 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)

        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

> print(t.test)
function (x, ...)
UseMethod("t.test")
<bytecode: 0x00000284187a43a0>
<environment: namespace:stats>
```