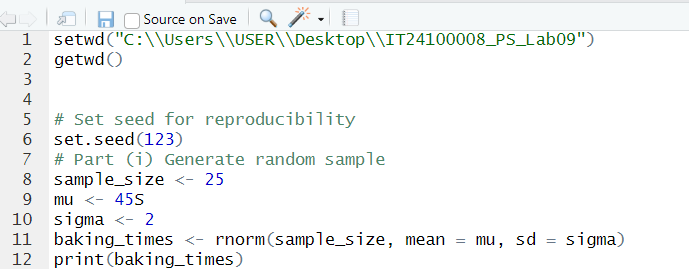
IT24100008 PS Lab 09

1. Assume that the time taken to bake a batch of cookies is normally distributed with mean 45 minutes and standard deviation 2 minutes.

i. Generate a random sample of size 25 for the baking time.



A screenshot of a computer code

AI-generated content may be incorrect.

ii. Test whether the average baking time is less than 46 minutes at a 5% level of significance.

A white background with black text

AI-generated content may be incorrect.

A computer screen shot of a test

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.