

## Experiment 1

**Write a R program and execute the following.**

1. There are 12 inches in a foot, and an inch is 2.54 cm. Calculate how many feet there are in 1 metre?
2. Find the product of the matrices  $A$  and  $B$
3. Find the addition and subtraction of the matrices  $A$  and  $B$
4. Plot a graph for the curve  $y = x^3$ , where  $x$  varies from -5 to 5 with a step of 0.05
5. Plot a histogram for the following data: 21, 23, 56, 90, 20, 7, 94, 12, 57, 76, 69, 45, 34, 32, 49, 55