

Introduction to Programming

Tirgul 8 – Excel files and string formats

1. Create a 5X6 matrix of random numbers between 0-100.
2. Use the *xlswrite* command to write this matrix into an excel file, with these specifications: file name: ***xlsPractice***, worksheet name: ***dataMat***.
3. Write a function called **myXls** which receives one input argument – an integer between 1-5. This function should read the numerical data from the excel file you created in part 2 of the exercise. The function should read only the data in the line whose number is given by its input argument (use the *xlsread* command to read the data). Tip: you can use the *sprintf* command to generate the string containing the range of cells to read.
4. Next, your function should calculate the mean value of the numbers in the given line and write this number to a new worksheet in the same xls file (the *xlsPractice* file). The name of this new worksheet should be: ***meanLineX*** (where X is the line number). Use the *sprintf* command to generate the string containing the worksheet name.