PRACTICE EXERCISES

Q1: Write a Mathematica script that input a marix A and output the even and odd entries in different lists.

Q2: Write a Mathematica script that input a marix A and count the prime entries and output them in a new list.

Q3: Write a Mathematica script that input a marix A and sum all entries above the main diagonal

Q4: Write a Mathematica script that input a marix A and check whether it is Lower triangular matrix

Q5: Write a Mathematica script that input a marix A and sum all entries below the main diagonal and the product of the maindiagonal entries.

Q6: Write a Mathematica script that input a marix A and output its lower triangular Matrix.

Q7: Write a Mathematica script that input a list and sort its elements in Descending Order.

Q8 :

a) Write a program that finds all two consecutive primes with difference 2

Called twin primes less n▯

b − Write another program that counts them.