Question 4:

a. Number of loops running=3

Number of times outer loop runs=n

Number of times inner loop=m-1

The function compute runs for one time, then two times and so on in the respective iterations. Therefore it runs for (m^2-m) times.

Total time taken=m*(m^2-m)

We arrive at a function that runs for n^3.

For both upper and lower bound is n^3 .

b. It multiples the elements of A from ith index to jth index with each other and stores them at B[i][j].