**ME685A: Home Assignment 1**

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1. Given two matrices A and B. C = AB. Let the size of matrix A be *m*x*n* and B be *n*x*p*  and therefore size of C is *m*x*p* .

Pseudo Code:

Multiply ( A , B) {

int C[m][p];

for(int i=0; i<m ; i++){

for(int j=0;j<p;j++){

C[i][j] = 0;

for(int k=0;k<n;k++){

C[i][j] += A[i][k] \* B[k][j];

}

}

}

return C;

}

3. From code,

A =

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