Faculty of Computer Science & Engineering

Assignment Number – 6

Name : Prajyot Chandrashekhar Bhamare. F.Y. B.Tech. Division 2 (B1)

Roll no.: 102032 PRN no.: 1032190054

#include <stdio.h>

#include <math.h>  
  
void main() {  
 int a , b , i , j , k , l;  
 printf("\nEnter the no. of rows\n");  
 scanf("%d" , &a);  
 printf("Enter the no. of columns\n");  
 scanf("%d" , &b);  
 int mat[3][a][b];  
 printf("1. Subtract\n2. Add\n");  
 scanf("%d" , &l);  
 printf("\nEnter first matrix\n");  
 for(i = 0 ; i < 2 ; i++)  
 {  
 for(j = 0 ; j < a ; j++)  
 {  
 for(k = 0 ; k < b ; k++)  
 {  
 scanf("%d" , &mat[i][j][k]);  
 }  
 }  
 if(i < 1)  
 printf("\nEnter next matrix\n");  
 }  
 for(j = 0 ; j < a ; j++)  
 {  
 for(k = 0 ; k < b ; k++)  
 {  
 mat[2][j][k] = mat[0][j][k] + (mat[1][j][k]\*pow(-1,l));  
 }  
 }  
 printf("\nThe sum is:\n");  
 for(j = 0 ; j < a ; j++)  
 {  
 for(k = 0 ; k < b ; k++)  
 {  
 printf("%d\t" , mat[2][j][k]);  
 }  
 printf("\n");  
 }  
 printf("\n");  
}