```
#include <stdio.h>
int main()
{
 int m1[6][6], m2[6][6], sum[6][6], r1, r2, c1, c2, i, j;
 printf("Enter the number of rows and columns of the first
        matrix\t");
 scanf("%d%d", &r1, &c1);
 printf("Enter the number of rows and columns of the second
        matrix\t");
 scanf("%d%d", &r2, &c2);
 if (r1 != r2 || c1 != c2)
 {
  printf("For addition operation number of rows and columns
       of both the matrix must be same");
 }
 else
 printf("Enter the elements of first matrix\t");
 for (i=0; i<r1; i++){
 for (j=0; j<c1; j++)
 scanf("%d", &m1[i][j]);
  }
 printf("Enter the elements of second matrix\t");
 for (i=0; i<r2; i++){
 for (j=0; j<c2; j++)
 scanf("%d", &m2[i][j]);
  }
 printf("The sum of the given two matrix is\n");
 for (i=0; i<r2; i++){
 for (j=0; j<c2; j++)
 sum[i][j] = m1[i][j] + m2[i][j];
  }
```

```
for(i=0; i<r1; i++)
  {
printf("\n");
for(j=0; j<c1; j++)
printf("%d\t", sum[i][j]);
      }

return 0;
}
```