

PROGRAM

```
#include<stdio.h>
#include<conio.h>
int main(){
int A[3][3], B[3][3];
int i,j,k,temp;
clrscr();
printf("Enter matrix A \n");
for(i=0; i<3; i++){
for(j=0; j<3; j++){
printf("Enter element A[%d][%d] : ",i,j);
scanf("%d",&A[i][j]);
}
}
printf("Enter matrix B \n");
for(i=0; i<3; i++){
for(j=0; j<3; j++){
printf("Enter element B[%d][%d] : ",i,j);
scanf("%d",&B[i][j]);
}
}
for(i=0; i<3; i++){
for(j=0; j<3; j++){
temp =0;
for(k=0; k<3; k++){
temp = temp + A[i][k]*B[k][j];
}
printf("%d \t",temp);
}
printf("\n");
}
getch();
return 0;
}
```

OUTPUT

```
Enter matrix A
Enter element A[0][0] : 1
Enter element A[0][1] : 4
Enter element A[0][2] : 5
Enter element A[1][0] : 6
Enter element A[1][1] : 2
Enter element A[1][2] : 3
Enter element A[2][0] : 7
Enter element A[2][1] : 5
Enter element A[2][2] : 6
Enter matrix B
Enter element B[0][0] : 2
Enter element B[0][1] : 3
Enter element B[0][2] : 4
Enter element B[1][0] : 5
Enter element B[1][1] : 6
Enter element B[1][2] : 2
Enter element B[2][0] : 3
Enter element B[2][1] : 2
Enter element B[2][2] : 4
37      37      32
31      36      40
57      63      62
PS C:\turboc3\bin\project> █
```