1.MATRIX MULTIPLICATION :-

```
#include<stdio.h>
int main() {
   int a[10][10], b[10][10], c[10][10], n, i, j, k;

   printf("Enter the value of N ");
   scanf("%d", & n);
   printf("Enter the elements of Matrix-A ");

   for (i = 0; i < n; i++) {
      for (j = 0; j < n; j++) {
         scanf("%d", & a[i][j]);
      }
   }

   printf("Enter the elements of Matrix-B ");

   for (i = 0; i < n; i++) {
      for (j = 0; j < n; j++) {
         scanf("%d", & b[i][j]);
      }
   }

   for (i = 0; i < n; i++) {
      for (j = 0; j < n; j++) {
         c[i][j] = 0;
         for (k = 0; k < n; k++) {
            c[i][j] += a[i][k] * b[k][j];
         }
      }
   }
```

```
    printf("The product of the two matrices is ");
    for (i = 0; i < n; i++) {
        for (j = 0; j < n; j++) {
            printf("%d\t", c[i][j]);
        }
        printf("\n");
    }
    return 0;
}
```

OUTPUT :-