

1\* Write a program to add two given matrices

```
#include <stdio.h>
```

```
void main()
```

```
{
```

```
int a[10][10], b[10][10], c[10][10], m, n, p, q, i, j;
```

```
clrscr());
```

```
printf("\nEnter order of matrix A:");
```

```
scanf("%d %d", &m, &n);
```

```
printf("\nEnter order of matrix B:");
```

```
scanf("%d %d", &p, &q);
```

```
if (m == p && n == q)
```

```
{
```

```
printf("\nEnter elements of matrix A: \n");
```

```
for (i = 0; i < m; i++)
```

```
{
```

```
for (j = 0; j < n; j++)
```

```
{
```

```
scanf("%d", &a[i][j]);
```

```
}
```

```
}
```

```
printf("\nEnter elements of matrix B: \n");
```

```
for (i = 0; i < p; i++)
```

```
{
```

```
for (j = 0; j < q; j++)
```

```
{
```