Matrix multiplication:-

```java
class MatrixMultiplication{
public static void main(String args[]){

int a[][]={{1,1,1},{2,2,2},{3,3,3}};
int b[][]={{1,1,1},{2,2,2},{3,3,3}};

int c[][]=new int[3][3];

for(int i=0;i<3;i++)
{
for(int j=0;j<3;j++)
{
c[i][j]=0;
for(int k=0;k<3;k++)
{
c[i][j]+=a[i][k]*b[k][j];
}
System.out.print(c[i][j]+" ");
}
System.out.println();
}
}}
```

Output:-

```
C:\Users\vijen\Desktop\java codes>javac matrixmultiplication.java

C:\Users\vijen\Desktop\java codes>java matrixmultiplication.java
6 6 6
12 12 12
18 18 18
```