

```
import java.util.Scanner;

class coresum{
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter number of rows: ");
        int r = sc.nextInt();
        System.out.print("Enter number of columns: ");
        int c = sc.nextInt();
        int[][] a = new int[r][c];
        System.out.println("Enter matrix elements:");
        for (int i = 0; i < r; i++) {
            for (int j = 0; j < c; j++) {
                a[i][j] = sc.nextInt();
            }
        }
        System.out.println("Core elements are:");
        for (int i = 0; i < r; i++) {
            for (int j = 0; j < c; j++) {

                if (i != 0 && i != r - 1 && j != 0 && j != c - 1) {
                    System.out.print(a[i][j] + " ");
                }
            }
        }
    }
}
```