

```

1  import java.util.Scanner;
2
3  public class P4 {
4
5      public static void main(String[] args)
6      {
7
8
9          Scanner scan = new Scanner(System.in);
10
11         while(true) {
12             System.out.println("Enter height: ");
13             String input = scan.next();
14
15             String a = "AA";
16             String b = "BB";
17
18             int letter = 65;
19
20             try {
21                 int height = Integer.parseInt(input);
22                 if(height > 0)
23                 {
24                     for(int i=1; i<=height; i++)
25                     {
26                         for(int j=1; j<=i; j++)
27                         {
28                             if(j%2 == 1)
29                             {
30                                 if(i%2 == 1)
31                                 {
32                                     System.out.print(a);
33                                 }
34                                 else
35                                 {
36                                     System.out.print(b);
37                                 }
38                             }
39                             else
40                             {
41                                 if(i%2 == 1)
42                                 {
43                                     System.out.print(b);
44                                 }
45                                 else
46                                 {
47                                     System.out.print(a);
48                                 }
49                             }
50                         }
51                         System.out.println();
52                     }
53                 }
54                 else
55                 {
56                     System.out.println("Error input!!");
57                 }
58                 break;
59             } catch (NumberFormatException ne) {
60                 System.out.println("Only integers allowed. ");
61             }
62         }
63
64     }
65
66 }
67
68

```