

java - q3/or/q3/chessbrd.java - Eclipse IDE

```

1 package q3;
2 import java.util.*;
3 public class chessbrd {
4     String c, D;
5     String board[] [];
6     Scanner sc;
7     Map<String, ArrayList<Integer>> position;
8     Map<String, ArrayList<Integer>> position;
9     chessbrd(String c, String D) {}
10    public void get_pawn_A() {}
11    public void get_pawn_B() {}
12    public boolean move(String playerMove) {}
13    public boolean move(String playerMove) {}
14    {
15        int indexColon = playerMove.indexOf(':');
16        String entry = playerMove.substring(0, indexColon);
17        //entry = "B-55:5";
18        char move = Character.toUpperCase(entry.charAt(0));
19        if(!position.containsKey(entry))
20        {
21            System.out.println("Invalid Pawn Selection");
22            return false;
23        }
24        ArrayList<Integer> coordinates = position.get(entry);
25        int x = coordinates.get(0);
26        int y = coordinates.get(1);
27        int updateX = x;
28        int updateY = y;
29        if(move == 'P')
30        {
31            updateX++;
32        }
33        else if(move == 'B')
34        {
35            updateX--;
36        }
37        else if(move == 'L')
38        {
39            updateY--;
40        }
41        else if(move == 'R')
42        {
43            updateY++;
44        }
45    }
46    }

```

Console X

```

<terminated> task [Java Application] C:\Program Files\Java\jdk-18.0.1\bin\java.exe (11-Sep-2022, 3:40:14 pm - 3:41:16 pm) [pid: 17368]
Enter the Names of Player :
Enter Player 1 Name :
jaya
Enter Player 2 Name :
surya
Enter the Pawn's of A :
22
33
44
55
Enter the Pawn's of B :
55
66
77
88
99
Current Grid
B-55 B-66 B-77 B-88 B-99
- - - - -
A-11 A-22 A-33 A-44 A-55
Player B's Move :
B-55:f
1 0
Current Grid
B-55 B-66 B-77 B-88 B-99
- - - - -
A-11 A-22 A-33 A-44 A-55
Player A's Move :
A-25:f
Current Grid
B-55 B-66 B-77 B-88 B-99
- - - - -
A-11 A-22 A-33 A-44 A-55
Player B's Move :
B-55

```

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```

206
207
208
209
210 public boolean level:
211 {
212     int colon = playerMove.indexOf(':');
213     String entry = playerMove.substring(0, colon);
214     // String entry = "H1";
215     entry = "A-55:5";
216     char move = Character.toUpperCase(entry.charAt(0));
217     // System.out.println(entry);
218     if(!position.containsKey(entry))
219     {
220         System.out.println("Invalid Pawn Selection");
221         return false;
222     }
223     ArrayList<Integer> coordinates = position.get(entry);
224     int x = coordinates.get(0);
225     int y = coordinates.get(1);
226     int updateX = x;
227     int updateY = y;
228     if(move == 'P')
229     {
230         updateX++;
231     }
232     else if(move == 'B')
233     {
234         updateX--;
235     }
236     else if(move == 'L')
237     {
238         updateY--;
239     }
240     else if(move == 'R')
241     {
242         updateY++;
243     }
244 }

```

Console X

```

task [Java Application] C:\Program Files\Java\jdk-18.0.1\bin\java.exe (11-Sep-2022, 3:47:11 pm) [pid: 15820]
Current Grid
B-55 B-66 B-77 B-88 B-99
- - - - -
A-11 A-22 A-33 A-44 A-55
Player B's Move :
B-55:f
1 0
Current Grid
B-55 B-66 B-77 B-88 B-99
- - - - -
A-11 A-22 A-33 A-44 A-55
Player A's Move :
11:f
Current Grid
B-55 B-66 B-77 B-88 B-99
- - - - -
A-11 A-22 A-33 A-44 A-55
Player B's Move :
B-55:f
1 3
Current Grid
B-55 B-66 B-77 B-88 B-99
- - - - -
A-11 A-22 A-33 A-44 A-55
Player A's Move :
44:f
Current Grid
B-55 B-66 B-77 B-88 B-99
- - - - -
A-11 A-22 A-33 A-44 A-55
Player B's Move :

```