public class Pawn extends Piece{ //ENTIRE Class coded by Aman Modi, little bits added by Evan Wolfe

private boolean twoMovement;

public Pawn(int r, int c, String s, String t){

super(r, c, s, t);

twoMovement = true;T

}

public boolean movePiece(int r, int c, String co){

if(co.equals("w"))

{

if(getRow() - 2 == r && getCol()==c && twoMovement && checkOpen(r,c)){

changePosition(r, c);

setRow(r);

twoMovement = false;

setEnPassant(true);

return true;

}else if((getRow() - 1 == r) && getCol()==c && checkOpen(r,c)){

changePosition(r, c);

setRow(r);

twoMovement = false;

setEnPassant(false);

return true; //End of Ayaan

}else if((getRow()-r == 1) && (Math.abs(getCol()-c) == 1) && (capturePiece(r,c) || passing(r,c))){ //Start of Ayaan

if(passing(r,c))

if((r+1)%2==0 && c%2==0 || (r+1)%2 != 0 && c%2!=0)

array[(r+1)][c] = new DefaultWhite((r+1),c,"#");

else

array[(r+1)][c] = new DefaultBlack((r+1),c,"/");

changePosition(r, c);

setRow(r);

setCol(c);

setEnPassant(false);

twoMovement = false;

}else

return false;

}

else

{

if(getRow() + 2 == r && getCol()==c && twoMovement && checkOpen(r,c)){

changePosition(r, c);

setRow(r);

twoMovement = false;

setEnPassant(true);

return true;

}else if((getRow() + 1 == r) && getCol()==c && checkOpen(r,c)){

changePosition(r, c);

setRow(r);

twoMovement = false;

setEnPassant(false);

return true;

}else if((Math.abs(getCol()-c) == 1) && (capturePiece(r,c) || passing(r,c)) && (getRow()-r == -1)){ //Start of Ayaan

if(passing(r,c))

if((r-1)%2==0 && c%2==0 || (r-1)%2 != 0 && c%2!=0)

array[(r-1)][c] = new DefaultWhite((r-1),c,"#");

else

array[(r-1)][c] = new DefaultBlack((r-1),c,"/");

changePosition(r, c);

setRow(r);

setCol(c);

setEnPassant(false);

twoMovement = false;//End of Ayaan

}else

return false;

}

return true;

}

public boolean passing(int r, int c)

{

int checkSpace1 = 0;

int checkSpace2 = 0;

if(!(getCol() == 0) && !(getCol() == 7))

{

checkSpace1 = getCol()-1;

checkSpace2 = getCol()+1;

if(array[getRow()][checkSpace1].getEnPassant() == true)

return true;

else if(array[getRow()][checkSpace2].getEnPassant() == true)

return true;

}

else if(getCol() == 0)

{

checkSpace2 = getCol()+1;

if(array[getRow()][checkSpace2].getEnPassant() == true)

return true;

}

else if(getCol() == 7)

{

checkSpace1 = getCol()-1;

if(array[getRow()][checkSpace1].getEnPassant() == true)

return true;

}

return false;

}

}