**Guesser game (Ineuron Assignment-02)**

import java.util.Scanner;  
  
class Guesser  
{  
 int guessNum;  
 public int guessNumber() {  
 Scanner sc = new Scanner(System.*in*);  
 System.*out*.println("Guesser kindly guess the number betweens(0-100):");  
 guessNum=sc.nextInt();  
 if(guessNum>=0 &&guessNum<=100) {  
 System.*out*.println("Guesser guess the vaild number");  
 }else {  
 System.*out*.println("Guesser guess the invaild number");  
 }  
 return guessNum;  
 }  
}  
  
class Player{  
 int playerGuessNum;  
 public int guessNumber(){  
 Scanner sc = new Scanner(System.*in*);  
 System.*out*.println("Player kindly guess the number betweens(0-100):");  
 playerGuessNum = sc.nextInt();  
 if(playerGuessNum>=0 && playerGuessNum<=100) {  
 System.*out*.println("Guesser guess the vaild number");  
 }else {  
 System.*out*.println("Guesser guess the invaild number");  
 }  
 return playerGuessNum;  
 }  
  
}  
  
class Umpire{  
 int numFromGuesser;  
 int numFromPlayer1;  
 int numFromPlayer2;  
 int numFromPlayer3;  
 int numFromPlayer4;  
 int numFromPlayer5;  
  
 public void collectNumFromGuesser(){  
 Guesser g =new Guesser();  
 numFromGuesser=g.guessNumber(); //guessing number formguesser  
 }  
  
 public void collectNumberPlayer(){  
  
 Player p1 =new Player();  
 Player p2 =new Player();  
 Player p3 =new Player();  
 Player p4 =new Player();  
 Player p5 =new Player();  
 numFromPlayer1=p1.guessNumber();  
 numFromPlayer2=p2.guessNumber();  
 numFromPlayer3=p3.guessNumber();  
 numFromPlayer4=p4.guessNumber();  
 numFromPlayer5=p5.guessNumber();  
 }  
 public void compare()  
 {  
 if(numFromGuesser == numFromPlayer1) //player1 guess correct number so compare with rest player guess number  
 {  
  
 if(numFromGuesser == numFromPlayer2 && numFromGuesser ==numFromPlayer3 && numFromGuesser ==numFromPlayer4 && numFromGuesser ==numFromPlayer5) //condition for that all player can win  
 {  
 System.*out*.println("Game tied all Five Player guessed correctly.");  
 System.*out*.println("Well done Players:)");  
 }  
 else if( numFromGuesser ==numFromPlayer3 && numFromGuesser ==numFromPlayer4 && numFromGuesser ==numFromPlayer5) //player 2 lost The game  
 {  
 System.*out*.println("Player1,player3,player4 and Player5 won the game!");  
 System.*out*.println("Well done Players:)");  
 System.*out*.println("Player2 you lost the game, Good Luck & try Again!");  
 }  
 else if( numFromGuesser == numFromPlayer2 && numFromGuesser ==numFromPlayer4 && numFromGuesser ==numFromPlayer5) //Player3 lost the game  
 {  
 System.*out*.println(" Player1,Player2, Player4 and player5 won the game!");  
 System.*out*.println("Well done Players:)");  
 System.*out*.println("Player3 you lost the game, Good Luck & try Again!");  
 }  
 else if(numFromGuesser == numFromPlayer2 && numFromGuesser ==numFromPlayer3 && numFromGuesser ==numFromPlayer5) //Player4 lost The game  
 {  
 System.*out*.println(" Player1,Player2, Player3 and player5 won the game!");  
 System.*out*.println("Well done Players:)");  
 System.*out*.println("Player4 you lost the game, Good Luck & try Again!");  
 }  
  
 else if(numFromGuesser == numFromPlayer2 && numFromGuesser ==numFromPlayer3 && numFromGuesser ==numFromPlayer4) //Player5 lost The game  
 {  
 System.*out*.println(" Player1,Player2, Player3 and player4 won the game!");  
 System.*out*.println("Well done Players:)");  
 System.*out*.println("Player5 you lost the game, Good Luck & try Again!");  
 }else {  
 System.*out*.println("Player1 won the game!");  
 System.*out*.println("Well done Player:)");  
 System.*out*.println("Player2,Player3,Player4 and Player5 you all lost the game, Good Luck & try Again!");  
 }  
 }  
 else if(numFromGuesser == numFromPlayer2) //player2 guess correct number so compare with rest player guess number  
 {  
 if(numFromGuesser ==numFromPlayer3 && numFromGuesser ==numFromPlayer4 && numFromGuesser ==numFromPlayer5)  
 {  
 System.*out*.println("Player2,Player3,Player4 and Player5 won the game!");  
 System.*out*.println("Well done Players:)");  
 System.*out*.println("Player1 you lost the game, Good Luck & try Again!");  
 }  
 else if(numFromGuesser ==numFromPlayer4 && numFromGuesser ==numFromPlayer5)  
 {  
 System.*out*.println("Player2,Player4 and Player5 won the game!");  
 System.*out*.println("Well done Players:)");  
 System.*out*.println("Player1 and Player3 you both lost the game, Good Luck & try Again!");  
 }  
 else if(numFromGuesser ==numFromPlayer3 && numFromGuesser ==numFromPlayer4)  
 {  
 System.*out*.println("Player2,Player3 and Player4 won the game!");  
 System.*out*.println("Well done Players:)");  
 System.*out*.println("Player1 and Player5 you both lost the game, Good Luck & try Again!");  
 }  
 else if(numFromGuesser ==numFromPlayer3 && numFromGuesser ==numFromPlayer5)  
 {  
 System.*out*.println("Player2,Player3 and Player5 won the game!");  
 System.*out*.println("Well done Players:)");  
 System.*out*.println("Player1 and Player4 you both lost the game, Good Luck & try Again!");  
 }  
 else  
 {  
 System.*out*.println("Player2 won the game!");  
 System.*out*.println("Well done Player:)");  
 System.*out*.println("Player1, Player3,Player4 and Player5 you all lost the game, Good Luck & try Again!");  
 }  
 }  
 else if(numFromGuesser == numFromPlayer3) //player3 guess correct number so compare with rest player guess number  
 {  
 if(numFromGuesser ==numFromPlayer4 && numFromGuesser ==numFromPlayer5)  
 {  
 System.*out*.println("Player3,Player4 and Player5 won the game!");  
 System.*out*.println("Well done Players:)");  
 System.*out*.println("Player1, Player2 you both lost the game, Good Luck & try Again!");  
 }  
 else if(numFromGuesser ==numFromPlayer4)  
 {  
 System.*out*.println("Player3,Player4 won the game!");  
 System.*out*.println("Well done Players:)");  
 System.*out*.println("Player1, Player2 and Player5 you all lost the game, Good Luck & try Again!");  
 }  
 else if(numFromGuesser ==numFromPlayer5)  
 {  
 System.*out*.println("Player3,Player5 won the game!");  
 System.*out*.println("Well done Players:)");  
 System.*out*.println("Player1, Player2 and Player4 you all lost the game, Good Luck & try Again!");  
  
 }  
 else  
 {  
 System.*out*.println("Player3 you won the game!");  
 System.*out*.println("Well done Player:)");  
 System.*out*.println("Player1, Player2,Player4 and Player5 you all lost the game, Good Luck & try Again!");  
 }  
 }  
 else if(numFromGuesser == numFromPlayer4) //player4 guess correct number so compare with rest player guess number  
 {  
 if(numFromGuesser == numFromPlayer5)  
 {  
 System.*out*.println("Player4 and Player5 you both won the game!");  
 System.*out*.println("Well done Players:)");  
 System.*out*.println("Player1, Player2 and Player3 you all lost the game, Good Luck & try Again!");  
 }  
 else  
 {  
 System.*out*.println("Player4 you won the game!");  
 System.*out*.println("Well done Player:)");  
 System.*out*.println("Player1, Player2,Player3 and PLayer5 you all lost the game, Good Luck & try Again!");  
 }  
 }  
 else if(numFromGuesser == numFromPlayer5) //At last player5 won no one player is left!  
 {  
 System.*out*.println("Player5 you won the game!");  
 System.*out*.println("Well done Player:)");  
 System.*out*.println("Player1, Player2,Player3 and PLayer4 you all lost the game, Good Luck & try Again!");  
 }  
 else {  
 System.*out*.println("No one won because Guesser guess invaild number!");  
 System.*out*.println("Guesser Kindly guess the number within the Range");  
 }  
 }  
}  
  
public class Guess {  
  
 public static void main(String[] args) {  
  
 Umpire u = new Umpire();  
 u.collectNumFromGuesser();  
 u.collectNumberPlayer();  
 u.compare();  
 }  
}

**Output:** Guesser kindly guess the number betweens(0-100):

77

Guesser guess the vaild number

Player kindly guess the number betweens(0-100):

10

Guesser guess the vaild number

Player kindly guess the number betweens(0-100):

77

Guesser guess the vaild number

Player kindly guess the number betweens(0-100):

50

Guesser guess the vaild number

Player kindly guess the number betweens(0-100):

20

Guesser guess the vaild number

Player kindly guess the number betweens(0-100):

10

Guesser guess the vaild number

Player2 won the game!

Well done Player:)

Player1, Player3,Player4 and Player5 you all lost the game, Good Luck & try Again!

Process finished with exit code 0