

## 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 between(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 between(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();
    }
}
```

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        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

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        {
            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)
            {

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        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 between(0-100):

77

Guesser guess the vaild number

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

10

Guesser guess the vaild number

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

77

Guesser guess the vaild number

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

50

Guesser guess the vaild number

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

20

Guesser guess the vaild number

Player kindly guess the number between(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