# Program:

package Arr;

public class Array

{

public static String words[]=new String[100];

public static String jumbledwords[]=new String[100];

}

---------------------------------------------------------------------------------------------------

package Win;

public class W

{

public static void win(int score,int n)

{

if(score==n)

System.out.println("\nPlayer 2 Won\n");

else

System.out.println("\nPlayer 1 Won\n");

}

}

---------------------------------------------------------------------------------------------------

package play1;

import java.util.Scanner;

import Arr.\*;

public class Player1

{

Scanner in= new Scanner(System.in);

public void input1(int n)

{

System.out.println("\nPlayer 1:");

System.out.println("Rules: Enter Words Without Repetition Of Letters\n");

System.out.println("Enter " + n + " Words");

for(int i=0;i<n;i++)

{

Array.words[i]=new String();

Array.jumbledwords[i]=new String();

Array.jumbledwords[i]="";

Array.words[i]=in.next();

}

}

}

---------------------------------------------------------------------------------------------------

package play2;

import java.util.Scanner;

import Arr.\*;

public class Player2

{

Scanner in= new Scanner(System.in);

public int input2(int n)

{

int score=0;

String temp=new String();

System.out.println("Player 2:");

System.out.println("Rearrange the letters shown, and form a word");

for(int i=0;i<n;i++)

{

System.out.println("\n" + Array.jumbledwords[i]+"\nEnter Your Guess: ");

temp=in.next();

if(temp.equals(Array.words[i]))

score++;

}

return score;

}

}

---------------------------------------------------------------------------------------------------

package rand;

import java.util.Scanner;

import java.util.Random;

import Arr.\*;

public class R1

{

java.util.Random rand=new java.util.Random();

Scanner in= new Scanner(System.in);

public void random(int n)

{

for(int i=0;i<n;i++)

{

while(Array.words[i].length()!=Array.jumbledwords[i].length())

{

char letter=Array.words[i].charAt(rand.nextInt(Array.words[i].length()));

if(!Array.jumbledwords[i].contains(""+letter))

Array.jumbledwords[i]+=letter;

}

}

}

}

---------------------------------------------------------------------------------------------------

package MyApp;

import java.util.Scanner;

import play1.Player1;

import play2.Player2;

import Win.W;

import rand.\*;

public class Main

{

public static void main(String[] args)

{

Scanner in= new Scanner(System.in);

int t=0,n=0,i,num,score;

Player1 a=new Player1();

Player2 b=new Player2();

R1 r=new R1();

do

{

System.out.println("\nDifficulty Mode:\n1.Easy \n2.Medium\n3.Hard\n4.Exit");

num=in.nextInt();

if(num==4)

break;

else

n=num\*3;

a.input1(n);

r.random(n);

for(i=0;i<40;i++)

System.out.println("");

score=b.input2(n);

W.win(score,n);

System.out.println("The Answers Are:");

for(i=0;i<n;i++)

System.out.println(Arr.Array.words[i]);

}while(t==0);

}

}

# Output:

Difficulty Mode:

1.Easy

2.Medium

3.Hard

4.Exit

1

Player 1:

Rules: Enter Words Without Repetition Of Letters

Enter 3 Words

pit

cute

box

Player 2:

Rearrange the letters shown, and form a word

ipt

Enter Your Guess:

pit

etcu

Enter Your Guess:

cute

bxo

Enter Your Guess:

box

Player 2 Won

The Answers Are:

pit

cute

box

Difficulty Mode:

1.Easy

2.Medium

3.Hard

4.Exit

4

BUILD SUCCESSFUL (total time: 41 seconds)