Assignment #4 Whe O'Brien

Class, Method, Interface, Abstract, Generic

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Problem:

we are to simulate a game of Pin ball. Target are read from a F. lethat tells us where each larger Must go. We then need to Play a game Ereturn a game report.

What I Pont know:

- How Eif you can Return a null through a method

- How to use the compare To () method

OBrien Like Assignment 9 Playbame () main () Print Brown ()

Main ()

Public static void main(String[] args) throws IOException //or FIleNotFoundException

//create scanner for game file

Scanner machine = new scanner(new File("[fileName]");

//create object instance of PinballMachine PinballMachine game = new PineballMachine(row, column):

//While there are more lines in the file to be read While(hasNextLine)

//Read and parse data while putting them into correct data structure Game.add(row, comlumn, Target);

//Need to displaying the playing space Game.displayGameBoard(); //---- Block 1

//Needs to run through the play file and cross check playGame(game); //---- Block 2

//Prints out the final stats printReport(game); //---- Block 3 Notes:

. array List For Tougethopert

- Use predefined interface
- Use String. Format ()

Pinball Machine

add Target Toplaging Field () displayPlaying Field () getVumRows () get Num Colloum (> get Target()

Target

get ID() get Type () get Points get Hits. increment Hits/1 TangetKapar

Print @ overide Compair To()

What I learned!

- Compare to () is really powerful. Can be used to soft mare data structures very fast.
- String format (), is very useful.
- you can return a null (Just have to be careful)