<u>User Manual</u>
The user can interact with the program at the bottom of the Main
class in the main method.

There are two Strings labeled player1 and player2 that can be any
of the names from the list below. Also, there is an int value
called numHops that allows the user to find the number of players
that are within a certain number of connections away from the
source node. The user can manipulate any of these three values.

```java
// player 1 is source, player 2 is destination
String player1 = "Udonis Haslem";
String player2 = "Ersan Ilyasova";

// the number of players within numHops from the source
int numHops = 2;

doBFS(player1, player2, numHops);
```

The program will output the distance from player1 to player2,
with player1 being a distance of 0 from himself, being on a team
with player1 is a distance of 1, and so forth. The program will
also output the path of players taken to reach player2. Depending
on the numHops value, the program will return the number of
players who are within a distance of numHops from player1.
Finally, the program will return the maximum distance from
player1 in the graph.

```
Distance from Udonis Haslem to Ersan Ilyasova: 2
The path taken from Udonis Haslem to Ersan Ilyasova was: [Udonis Haslem, Joe Johnson, Ersan Ilyasova]
Number of players who are 2 away from source: 76
Maximum distance from source to every player: 3
```

<u>List of Potential</u>
<u>Players:</u>

Arron Afflalo	Jeff Green	Zach Randolph
Alexis Ajinca	Devin Harris	J.J. Redick
LaMarcus Aldridge	Udonis Haslem	Sergio Rodriguez
Tony Allen	Spencer Hawes	Rajon Rondo
Alan Anderson	Nene Hilario	Derrick Rose
Ryan Anderson	George Hill	Brandon Rush
Carmelo Anthony	Al Horford	Thabo Sefolosha
Trevor Ariza	Dwight Howard	Ramon Sessions
Darrell Arthur	Andre Iguodala	J.R. Smith
D.J. Augustin	Ersan Ilyasova	Jason Smith
J.J. Barea	Jarrett Jack	Josh Smith
Nicolas Batum	LeBron James	Marreese Speights
Jerryd Bayless	Al Jefferson	Jason Terry
Michael Beasley	Richard Jefferson	Anthony Tolliver
Marco Belinelli	Amir Johnson	P.J. Tucker
Andrew Bogut	Joe Johnson	Sasha Vujacic
Corey Brewer	DeAndre Jordan	Dwyane Wade
Aaron Brooks	Kyle Korver	C.J. Watson
Bobby Brown	Kosta Koufos	David West
Jose Calderon	Courtney Lee	Russell Westbrook
Vince Carter	Shaun Livingston	Damien Wilkins
Mario Chalmers	Brook Lopez	Lou Williams
Tyson Chandler	Robin Lopez	Marvin Williams
Wilson Chandler	Kevin Love	Brandan Wright
Josh Childress	Kyle Lowry	Nick Young
Nick Collison	Ian Mahinmi	Thaddeus Young
Mike Conley	O.J. Mayo	
Jamal Crawford	Luc Mbah a Moute	
Luol Deng	JaVale McGee	
Goran Dragic	Josh McRoberts	
Jared Dudley	C.J. Miles	
Kevin Durant	Paul Millsap	
Raymond Felton	Anthony Morrow	
Channing Frye	Jameer Nelson	
Danilo Gallinari	Joakim Noah	
Marc Gasol	Dirk Nowitzki	
Pau Gasol	Emeka Okafor	
Rudy Gay	Zaza Pachulia	
Manu Ginobili	Tony Parker	
Eric Gordon	Chris Paul	
Marcin Gortat	Kendrick Perkins	
Gerald Green	Ronnie Price	