

Project 6 ReadMe

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Language coded	Java	
Approach	I created 8 classes to help me complete this project	
	App.java	This class was just the entry point of the application. It received the filename and output to the console the results.
	ICostFunction.java	This is an interface that I used with the Command pattern for implementing the cost function for EditDistance.
	CharCostFunction.java	This class was the cost function for comparing strings. It implemented ICostFunction.
	StringsCostFunction.java	This class was the cost function for comparing arrays of strings. It also had a reference to CharCostFunction. It also implemented ICostFunction.
	DistFunctions.java	This was a static class that ran the EditDistance algorithm. It took in a command to implement the cost function.
	Tuple.java	I stored my results in a Tuple when outputting to the console. I using this data structure in .NET.
	Tests.java	This was where all of my tests are. I created some on my own, but I also used some of yours off the site (thank you!).
Problems	This was a fun project! I probably spent the most time with this project compared to the others (as evident by the number of classes I created to help me solve the problem), but I enjoyed it. I could refactor this code down to be a bit easier to read (and follow SOLID design principles), but I think it is readable enough right now.	
Results	Please look at output.txt created from condor.cmd for more information. Also I have posted this in this readme.pdf as well. I added angle brackets (<>) to help identify the different lines.	

<BP> 0.0 <BP>
 <From Wikipedia, the free encyclopedia> 0.33 <From Wikipedia, the free encyclopedia (Redirected from British Petroleum)>
 <> 0.0 <>
 <Revision as of 12:35, 19 April 2010 by EditorInTheRye (talk | contribs)> 1.0 <>
 <(diff) Previous revision | Current revision (diff) | Newer revision (diff)> 0.63 <This is the latest accepted revision, accepted on 28 August 2010.>
 <Jump to: navigation, search> 0.0 <Jump to: navigation, search>
 <This article is about the energy corporation. For other uses, see BP (disambiguation).> 0.0 <This article is about the energy corporation. For other uses, see BP (disambiguation).>
 <> 1.0 <For information on the oil spill from the Deepwater Horizon rig, see Deepwater Horizon oil spill.>
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 <(NYSE: BP)> 0.0 <(NYSE: BP)>
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 <1954 (as the British Petroleum Company)> 0.0 <1954 (as the British Petroleum Company)>
 <2000 (merger of BP, Amoco, and ARCO)> 0.45 <1998 (merger of British Petroleum and Amoco)>
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 <Area served Worldwide> 0.0 <Area served Worldwide>
 <Key people Carl-Henric Svanberg (Chairman)> 0.0 <Key people Carl-Henric Svanberg (Chairman)>
 <Tony Hayward (CEO)> 0.0 <Tony Hayward (CEO)>
 <> 1.0 <Bob Dudley (Director, CEO (appointed))>
 <Byron Grote (CFO)> 0.08 <Byron Grote (CFO)[1]>
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 <BP service stations> 0.0 <BP service stations>
 <Air BP Aviation Fuels> 0.0 <Air BP Aviation Fuels>
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 <ARCO gas stations> 0.0 <ARCO gas stations>
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 <Aral service stations solar pannels> 0.01 <Aral service stations solar panels>
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 <Operating income US \$26.43 billion (2009)[1]> 0.02 <Operating income US \$26.43 billion (2009)[2]>
 <Net income US \$16.58 billion (2009)[1]> 0.03 <Net income US \$16.58 billion (2009)[2]>
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 <Total equity US \$101.6 billion (2009)> 0.0 <Total equity US \$101.6 billion (2009)>
 <Employees 92,000 (March 2009)> 0.25 <Employees 80,300 (Dec 2009)[3]>
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 <> 0.0 <>
 <1922 BP advert> 0.26 <A 1922 BP advertisement.>
 <BP plc (formerly The British Petroleum Company, plc then BP Amoco plc) is a> 0.63 <BP p.l.c.[4][5] is a global oil and gas company headquartered in London, United Kingdom. It is>
 <British global energy company that is also the third largest global energy and the> 0.45 <the third largest energy company and the fourth largest company in the world.[6] It is one of>
 <4th largest company in the world. As a multinational oil company ("oil major")> 0.6 <the six "supermajors" (vertically integrated private sector oil exploration, natural gas, and>
 <BP is the UK's largest corporation, with its headquarters in St James's, City of> 0.7 <petroleum product marketing companies).[7]>
 <Westminster, London.[2][3][4] The company is among the largest private sector> 1.0 <>
 <energy corporations in the world, and one of the six "supermajors" (vertically> 0.56 <The name "BP" derives from the initials of one of the company's former legal names, British>
 <integrated private sector oil exploration, natural gas, and petroleum product> 0.63 <Petroleum.[8][9] It has operations in over 80

countries and its largest division is BP America,>
 <marketing companies).[5] The company is listed on the London Stock Exchange> 0.63 <which is the biggest producer of oil and natural gas in the United States and is headquartered>
 <and is a constituent of the FTSE 100 Index.> 0.7 <in Houston, Texas.[10][11][12]>
 <> 0.0 <>
 <> 1.0 <BP is listed on the London Stock Exchange and is a constituent of the FTSE 100 Index. It has>
 <> 1.0 <a secondary listing on the New York Stock Exchange.>
 <> 0.0 <>
 <> 1.0 <An April 2010 explosion of BP's Deepwater Horizon drilling rig, in which 11 people died, led to>
 <> 1.0 <an oil spill that contaminated a large area of United States marine environment along the Gulf>
 <> 1.0 <of Mexico. Consequences of the spill included an over 50% drop in BP's stock price,[13]>
 <> 1.0 <damage to the environment, and a decrease in fishing and tourism[14][15][16][17][18]>
 <> 1.0 <projected to impact the region for several years.[19]>
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 <4.1 August 2006 Prudhoe Bay Shutdown> 0.42 <3.3 2006-2007: Prudhoe Bay>
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 <4.2 October 2007 Prudhoe Bay spill> 0.73 <3.7 Mist mountain project>
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 <> 1.0 <4.6 2010: Deepwater Horizon well explosion>
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 <> 1.0 <5.1 2007: Propane price manipulation>
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<11 Notes> 0.76 <9 Further reading>
<12 External links> 0.06 <10 External links>