

Test case no.	Purpose of the test case	Employee name	Date Hired	Dept	Role (with hourly rate and manager role accordingly)	Annual salary/Hours	Expected Output
1	Adding a normal employee with management role	Bean Sanders	01/06/2021	ECE	Management: Manager	96000 (annual salary)	Employee: Bean Sanders,ECE,1/6/2021 successfully added
2	Adding an employee with date hired in the future for management role (invalid)	Cris Ronaldo	04/14/2021	ECE	Management: Manager	96000 (annual salary)	Please enter a valid date before 3/10/2021
3	Adding an employee with a parttime role, with correct rate	James May	04/06/2014	IT	Part Time: 12/hr		Employee: James May,ECE,4/6/2014 successfully added
4	Set the hours for the above employee	James May	04/06/2014	T	Part Time: 12/hr	25 (hours worked)	Hours successfully set for employee James May,ECE,4/6/2014
5	Try to set hour for an employee with management role (invalid)	Bean Sanders	01/06/2021	ECE	12/hr	25 (hours worked)	Employee Bean Sanders,ECE,1/6/2021 was not found in the database or is not Part-time.
6	Adding a normal employee with full time role	Leo Messi	05/29/2014	CS	Full Time	45000 (annual salary)	Employee: Leo Messi,CS,5/29/2014 successfully added

7	Adding an employee (full time) with negative annual salary	Jeremy Clarkson	05/11/2012	IT	Full Time	-45000 (annual salary)	Salary must be greater than \$0.00
8	Adding the same existing employee	Leo Messi	05/29/2014	CS	Full Time	45000 (annual salary)	Employee Leo Messi,CS,5/29/2014 already exists.
9	Removing a non-existing employee	Jeremy Clarkson	05/11/2012	IT	Full Time	45000 (annual salary)	Employee not found!
10	Removing an existing employee	Leo Messi	05/29/2014	CS	Full Time	45000 (annual salary)	Employee Leo Messi,CS,5/29/2014 was removed from database.
11	Adding a part time employee with negative rate	Richard Hammond	08/11/2010	ECE	Part-time: -12/h		Hourly cannot be less than or equal to \$0.00
12	Adding a part time employee with exceeded working hour	Richard Hammond	08/11/2010	ECE	Part-time: 15/h	10000 (hours worked)	Hours must be between 0 and 100
13	Adding a part time employee with negative working hour	Richard Hammond	08/11/2010	ECE	Part-time: 15/h	-10 (hours worked)	Hours must be between 0 and 100
14	Adding a fulltime employee with no management role	Richard Hammond	08/11/2010	ECE	Fulltime	55000 (annual salary)	Employee: Richard Hammond,ECE,8/11/2010 successfully added

15	Adding an employee with management director role	Gordon Ramsay	10/04/2006	IT	Management: Director	88000 (annual salary)	Employee: Gordon Ramsay,IT,10/4/2006 successfully added
16	Adding an employee with management department head role	Wolfgang Puck	11/07/2008	IT	Management: Department Head	75000 (annual salary)	Employee: Wolfgang Puck,CS,11/7/2008 successfully added
17	Adding a fulltime employee with invalid salary	Mister	11/07/2008	CS	Fulltime	Diego (annual salary)	Please enter a numeric value for the employee's salary
18	Adding a parttime employee with invalid hour rate	Mister	11/07/2008	CS	Part time: Diego/hr		Please enter a numeric value for the hourly rate.

Other Function Tests:

Test No:	Option chosen	Sub-option	Expected Output
1	Payroll Processing		Calculation of employee payments is done.
2	Print	Print By Current Order	-Printing earning statements for all employees-- Bean Sanders,ECE,1/6/2021::Payment \$3,884.62::FULL TIME::Annual Salary \$96,000.00::Manager compensation \$192.31 James May,ECE,4/6/2014::Payment \$300.00::PART TIME::Hourly Rate \$12.00::Hours worked this period: 25.0 Richard Hammond,ECE,8/11/2010::Payment \$2,115.38::FULL TIME::Annual Salary \$55,000.00 Gordon Ramsay,IT,10/4/2006::Payment \$3,846.15::FULL TIME::Annual Salary \$88,000.00::Director compensation \$461.54

			Wolfgang Puck,CS,11/7/2008::Payment \$3,250.00::FULL TIME::Annual Salary \$75,000.00::Department Head compensation \$365.38
2	Print	Print By Date Hired	--Printing earning statements by date hired-- Gordon Ramsay,IT,10/4/2006::Payment \$3,846.15::FULL TIME::Annual Salary \$88,000.00::Director compensation \$461.54 Wolfgang Puck,CS,11/7/2008::Payment \$3,250.00::FULL TIME::Annual Salary \$75,000.00::Department Head compensation \$365.38 Richard Hammond,ECE,8/11/2010::Payment \$2,115.38::FULL TIME::Annual Salary \$55,000.00 James May,ECE,4/6/2014::Payment \$300.00::PART TIME::Hourly Rate \$12.00::Hours worked this period: 25.0 Bean Sanders,ECE,1/6/2021::Payment \$3,884.62::FULL TIME::Annual Salary \$96,000.00::Manager compensation \$192.31
3	Print	Print By Department	--Printing earning statements by department-- Wolfgang Puck,CS,11/7/2008::Payment \$3,250.00::FULL TIME::Annual Salary \$75,000.00::Department Head compensation \$365.38 Richard Hammond,ECE,8/11/2010::Payment \$2,115.38::FULL TIME::Annual Salary \$55,000.00 James May,ECE,4/6/2014::Payment \$300.00::PART TIME::Hourly Rate \$12.00::Hours worked this period: 25.0 Bean Sanders,ECE,1/6/2021::Payment \$3,884.62::FULL TIME::Annual Salary \$96,000.00::Manager compensation \$192.31 Gordon Ramsay,IT,10/4/2006::Payment \$3,846.15::FULL TIME::Annual Salary \$88,000.00::Director compensation \$461.54
4	File	Export	Database successfully exported. (The text file should have this inside: Wolfgang Puck,CS,11/7/2008::Payment \$3,250.00::FULL TIME::Annual Salary \$75,000.00::Department Head compensation \$365.38 Richard Hammond,ECE,8/11/2010::Payment \$2,115.38::FULL TIME::Annual Salary \$55,000.00 James May,ECE,4/6/2014::Payment \$300.00::PART TIME::Hourly Rate \$12.00::Hours worked this period: 25.0

			<p>Bean Sanders,ECE,1/6/2021::Payment \$3,884.62::FULL TIME::Annual Salary \$96,000.00::Manager compensation \$192.31</p> <p>Gordon Ramsay,IT,10/4/2006::Payment \$3,846.15::FULL TIME::Annual Salary \$88,000.00::Director compensation \$461.54)</p>
5	File	Import	Navigate to the given database.txt file, then Database successfully imported.
6	Print	Print By Current Order	<p>--Printing earning statements for all employees--</p> <p>Wolfgang Puck,CS,11/7/2008::Payment \$3,250.00::FULL TIME::Annual Salary \$75,000.00::Department Head compensation \$365.38</p> <p>Richard Hammond,ECE,8/11/2010::Payment \$2,115.38::FULL TIME::Annual Salary \$55,000.00</p> <p>James May,ECE,4/6/2014::Payment \$300.00::PART TIME::Hourly Rate \$12.00::Hours worked this period: 25.0</p> <p>Bean Sanders,ECE,1/6/2021::Payment \$3,884.62::FULL TIME::Annual Salary \$96,000.00::Manager compensation \$192.31</p> <p>Gordon Ramsay,IT,10/4/2006::Payment \$3,846.15::FULL TIME::Annual Salary \$88,000.00::Director compensation \$461.54</p> <p>Jane Doe,CS,7/1/2020::Payment \$0.00::PART TIME::Hourly Rate \$45.90::Hours worked this period: 0.0</p> <p>John Doe,CS,6/30/2019::Payment \$0.00::FULL TIME::Annual Salary \$76,430.00</p> <p>Charlie Brown,CS,4/30/2019::Payment \$0.00::FULL TIME::Annual Salary \$56,000.00</p> <p>Amy Harrison,IT,3/31/2020::Payment \$0.00::FULL TIME::Annual Salary \$69,000.00</p> <p>Eric Haskell,IT,9/1/2015::Payment \$0.00::FULL TIME::Annual Salary \$101,000.00::Department Head compensation \$365.38</p> <p>Sunny White,IT,2/28/2016::Payment \$0.00::FULL TIME::Annual Salary \$89,300.00::Manager compensation \$192.31</p> <p>Henry Young,IT,2/1/2005::Payment \$0.00::FULL TIME::Annual Salary \$120,000.00::Director compensation \$461.54</p> <p>Bob Scanlan,ECE,5/12/2019::Payment \$0.00::PART TIME::Hourly Rate \$24.59::Hours worked this period: 0.0</p>

Written by: Quan Hoang, Peter Basily

			Jeff Clinton,ECE,10/1/2001::Payment \$0.00::PART TIME::Hourly Rate \$39.99::Hours worked this period: 0.0 Carey Wang,ECE,11/30/2017::Payment \$0.00::PART TIME::Hourly Rate \$26.59::Hours worked this period: 0.0
7	File	Import -> Cancel	Nothing happens as we cancel the action
6	File	Export -> Cancel	Nothing happens as we cancel the action