

Function Name	Test Description	Sample Input	Expected Result	Actual Result	P/F
getTimeEnd	valid time	dTimeEnd = 1200	Return 720	Return 720	P
getTimeEnd	User inputs a time with the first 2 digits greater than or equal to 60	dTimeEnd = 1260	Display ERROR Ask for input again	Display ERROR Ask for input again	P
getTimeEnd	User inputs a time greater than or equal to 2400	dTimeEnd = 2400	Display ERROR Ask for input again	Display ERROR Ask for input again	P
getTimeEnd	User inputs a time less than 0	dTimeEnd = -2000	Display ERROR Ask for input again	Display ERROR Ask for input again	P
getCategory	Assume that the user sleeps starting from midnight on the first day	Time start = 0 Day = 1	Category = 9	Category = 9	P
getCategory	User picks a valid category	Category = 5	Return 5	Return 5	P
getCategory	User inputs a number less than 1	Category = -1	Display ERROR Ask for input again	Display ERROR Ask for input again	P
getCategory	User inputs a number greater than 10	Category = 11	Display ERROR Ask for input again	Display ERROR Ask for input again	P
isCorrect	User answers yes	Option = 1	Return 1	Return 1	P

isCorrect	User inputs a value not equal to 0 or 1	Option = 2	Display ERROR Ask for input again	Display ERROR Ask for input again	P
getContinue	User chooses not to continue	Option = 0	Return 0	Return 0	P
getContinue	User inputs a value not equal to 0 or 1	Option = -1	Display ERROR Ask for input again	Display ERROR Ask for input again	P
addDuration	The category passed is sleep and the duration is 1440	Category = 9 Duration = 1440	*dPreviousSleep += 1440; *dTotalSleep += 1440;	*dPreviousSleep += 1440; *dTotalSleep += 1440;	P
sortTimeSpent	A < B	A = 5 B = 6	A = 6 B = 5	A = 6 B = 5	P
sortTimeSpent	A > B	A = 7 B = 4	A = 7 B = 4	A = 7 B = 4	P
sortTimeSpent	A == B	A = 3 B = 3	A = 3 B = 3	A = 3 B = 3	P
printStatistics	The minutes passed is equal to the duration spent on health	Minutes = 1440	Print health and it's time spent in hours and minutes and the percentage of the day spent on it isPrintedH = 1	Print health and it's time spent in hours and minutes and the percentage of the day spent on it isPrintedH = 1	P
printStatistics	The minutes passed is equal to the duration	Minutes = 720 isPrintedH = 1	Print sleep and it's time spent in hours and	Print sleep and it's time spent in hours and	P

	spent on health and sleep but health has been printed already		minutes and the percentage of the day spent on it isPrintedSleep = 1	minutes and the percentage of the day spent on it isPrintedSleep = 1	
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