Item No	Java Class	Function	Description	Input Parameters	Expected value	Correct output passed/failed
1	SocialBenfitCalculator	expectedRewards()	check for different probabilities and reward for re-share of information	{0,0,0,0,0,0,0,0}, 0	0.8	passed
2				{0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5}, 0	0.8	passed
3				{0,0,0,0,0,0,0,0}, 0	0	passed
4				{0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5}, 0.1	0	passed
5		double normalisedRewards()	check for different probabilities and reward for re-share of information	{0,0,0,0,0,0,0,0}, 0	0.8	passed
6				{0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5}, 0	0.8	passed
7				{0,0,0,0,0,0,0,0}, 0	0	passed
8				{0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5}, 0.1	0	passed
9		int isR1_satisfied()	check for different probabilities and reward for re-share of information	{0,0,0,0,0,0,0,0}, 0	1	passed
10				{0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5}, 0	1	passed
11				{0,0,0,0,0,0,0,0}, 0	0	passed
12				{0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5}, 0.1	0	passed
13	TransitionProbability	double get_pk()	checks the value of underlying mathematical expression	0.5	0.49	passed
14	PrivacyRiskCalculator	double H_X()	checks the value of underlying mathematical expression	{0, 0.5, 0.8, 0, 0, 0, 0,0}, 0.25	0.7	passed
15		double H_X_left()	checks the value of underlying mathematical expression	{0, 0.5, 0.8, 0, 0, 0, 0,0}, 0.25	0.06	passed
16		double H_X_right()	checks the value of underlying mathematical expression	{0, 0.5, 0.8, 0, 0, 0, 0,0}, 0.25	0.22	passed
17		double H_X_given_Y()	checks the value of underlying mathematical expression	{0, 0.5, 0.8, 0, 0, 0, 0,0}, 0.25	0.28	passed
18		double infoLeakage()	checks the value for different probabilities and sensitivity level	{0, 0.5, 0.8, 0, 0, 0, 0,0}, 0	0	passed
19				{0, 0.5, 0.8, 0, 0, 0, 0,0}, 0.25	0.6	passed
20		double privacyLoss()	checks the value for different probabilities and sensitivity level	{0, 0.5, 0.8, 0, 0, 0, 0,0}, 0	0	passed
21				{0, 0.5, 0.8, 0, 0, 0, 0,0}, 0.25	0.15	passed
22				{0, 0.5, 0, 0, 0, 0, 0,0}, 0.25	0	passed
23		double isR2_satisfied()	checks for different privacy loss levels	{0, 0.5, 0.8, 0, 0, 0, 0,0}, 0	1	passed
24				{0, 0.5, 0.8, 0, 0, 0, 0,0}, 0.25	0	passed
25	AdaptiveSharingAnalyser	double utility_trade_off_calc()	checks for different behaviour behaviours of friends and different information sensitivity levels	{0.97, 0.01, 0.01, 0.01, 0.03, 0.07, 0.29, 0.01, 0.01, 0.26, 0.01, 0.01}, 1	0	passed
26				{0.97, 0.01, 0.01, 0.01, 0.03, 0.07, 0.29, 0.01, 0.01, 0.26, 0.01, 0.01}, 0.75	0.5	passed
27				{0.97, 0.01, 0.01, 0.01, 0.03, 0.07, 0.29, 0.01, 0.01, 0.26, 0.01, 0.01}, 0.5	0.5	passed
28				{0.97, 0.01, 0.01, 0.01, 0.03, 0.07, 0.29, 0.01, 0.01, 0.26, 0.01, 0.01}, 0.25	0.5	passed
29				{0.97, 0.01, 0.01, 0.01, 0.03, 0.07, 0.29, 0.01, 0.01, 0.26, 0.01, 0.01}, 0	1	passed
30				{0.5, 0.1, 0.1, 0.01, 0.01, 0.01, 0.01, 0.01, 0.23, 0.25, 0.1, 0.01}, 1	1	passed
31				{0.5, 0.1, 0.1, 0.01, 0.01, 0.01, 0.01, 0.01, 0.23, 0.25, 0.1, 0.01}, 0.75	1	passed
32				{0.5, 0.1, 0.1, 0.01, 0.01, 0.01, 0.01, 0.01, 0.23, 0.25, 0.1, 0.01}, 0.5	1	passed
33				{0.5, 0.1, 0.1, 0.01, 0.01, 0.01, 0.01, 0.01, 0.23, 0.25, 0.1, 0.01}, 0.25	1	passed
34				{0.5, 0.1, 0.1, 0.01, 0.01, 0.01, 0.01, 0.01, 0.23, 0.25, 0.1, 0.01}, 0	1	passed
35				{0.8, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.2, 0.1, 0.01, 0.01}, 1	0.5	passed
36				{0.8, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.2, 0.1, 0.01, 0.01}, 0.75	0.5	passed
37				{0.8, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.2, 0.1, 0.01, 0.01}, 0.5	0.5	passed
38				{0.8, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.2, 0.1, 0.01, 0.01}, 0.25	0.5	passed
39				{0.8, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.2, 0.1, 0.01, 0.01},0	1	passed
40	friendMonitor	double getJSD()	checks if the Jensen-Shannon divergence figure is returned	164221520611808, "Magdalena Sadowska", logger	0	passed
41		double hoursFrom	checks how many hours passed during 2 days	01-02-2016 00:00:00, current date	956.3	passed