



### Testing Design for Sanctuary

Testing construction	Input	Expected Value
Constructor disallows negative isolation number	Sanctuary(-10,10,10)	IllegalArgumentException
Constructor disallows negative enclosures number	Sanctuary(10,-10,10)	IllegalArgumentException
Constructor disallows negative enclosures size	Sanctuary(10,10,-10)	IllegalArgumentException
Constructor disallows 0 isolation number	Sanctuary(0,10,10)	IllegalArgumentException
Constructor disallows 0 enclosures number	Sanctuary(10,0,10)	IllegalArgumentException
Constructor disallows 0 enclosures size	Sanctuary(10,10,0)	IllegalArgumentException

Testing SetIsolation	Input	Expected Value
Sex field must be one in Sex enum	SetIsolation("A","drill","man","20","20","20",Food.eggs)	IllegalArgumentException
favouriteFood field must be one in Sex enum	SetIsolation("A","drill",Sex.male,"20","20","20",apples)	IllegalArgumentException
Name field must be string	SetIsolation(1,"drill",Sex.male,"20","20","20",Food.eggs)	IllegalArgumentException
species field must be string	SetIsolation("A",1,Sex.male,"20","20","20",Food.eggs)	IllegalArgumentException
size field must be int	SetIsolation("A","drill",Sex.male,"A","20","20",Food.eggs)	IllegalArgumentException
weight field must be int	SetIsolation("A","drill",Sex.male,"20","A","20",Food.eggs)	IllegalArgumentException
age field must be int	SetIsolation("A","drill",Sex.male,"20","20","A",Food.eggs)	IllegalArgumentException

All other methods rely on the data given by the constructor and SetIsolation method, thus need to be tested by driver class later on.