## Consider this roller coaster



like a loop, this voller

Coaster goes through the

Some motions (or actions)

refleatedly.

Since we do not have a way

to get off of the coaster,

this "loop" will continue

Forever.

true consider this UML diagram. This is an example

Of a simple loop. The "Shape means

decision in UML. Note, as long as our

""

Pe solves to true we keep going through

the same steps. If it is never take, we end up

with the infinite loop that we observed in the

roller cooster example.

```
For (initialization; test; iteration) {

// do some thing
// good for if you know how many times something will run

While (condition) {

// do some thing
// good for if you don't know how many times something will run

do {

// do some thing
// will always run at least once!

While (condition);
```