**EX3 from course: Model a simple Hotel app.**

The app should have a list of hotels.

Functionalities:

* Add a hotel
* Delete a hotel
* Find a room with a price lower than some value.

Clases

* Rate
  + Amount, Currency
  + Print() - Display all fields for the class
* Room
  + Name
  + Rate
  + Adults
  + Children
  + Method: GetPriceForDays(int numberOfDays)
  + Print() - Display all fields for the class
* Hotel
  + Name
  + City
  + List of Rooms
  + GetPriceForNumberOfRooms(int numberOfRooms)
  + Print() - Display all fields for the class

**EX4 from course: Model a simple Pizza app.**

Classes:

* Pizza
  + PizzaBase
  + List<PizzaTopping>
  + AddTopping();
  + CalculateTotalCost();
  + Print();
* PizzaBase
* Name (Can be: Regular, Thick, Italian)
* Cost
* Print();
* PizzaTopping
  + Name (Can be: Cheese, Meat, Vegetable)
  + Cost
  + Print();

App requirments:

* PizzaBase should be passed as parameter to constructor.
* Italian PizzaBase should cost 1.5 \* Base Cost.
* Meat should display the name UPPERCASE.

In a console app create 3 Pizza objects and print all details (name of base, names of toppings) with total cost.

**Display:**

Pizza [Name]

Base: [PizzaBase Name] ($[PizzaBase Cost])

Toppings:

Buffalo Mozarella ($3.00)

SALAMI ($5.6)

Tomatoes ($0.78)

Total Cost: $[Total Cost of Pizza]

EX3: Detect cycle