(a) Develop an interface for integer stack with the following methods:

// returns number of items in stack

(b) Develop an interface for a Set with the following methods:

```
SetADT
```

int size()

```
void add(Object o)  // adds an object to the set.
void remove(Object o)  // removes object o from the set.
void intersection(SetADT s) // sets this set to the intersection of itself and s.
void difference(SetADT s)  // sets this set to the difference between itself and s.
int size()  // returns the number of objects in the set.
boolean isEmpty()  // returns true if size = 0, else false.
```

You should hand in the code listings only.