

CIS 26, QUIZ, 20091013; NAME: _____

1. Given an interface like:

```
public interface Interesting {  
    public boolean isInteresting(Object o);  
}
```

Write code for a "grep" function:

```
public Object[] grep(Interesting f, Object[] o){  
    // your code goes here  
  
}
```

that will return only "Interesting" items.

2. Implement "Even" class that implements Interesting interface, and considers even numbers (such as 0,2,4,6,...) interesting.

3. Implement "Capitalized" class that implements Interesting interface, and considers capitalized strings (such as "New York", "Boston", etc.) as interesting.

4. Similar to "Interesting" interface, write a "Compute" interface (with "compute") function, that takes an Object and returns an Object).

5. Write a "map" function:

```
public Object[] map(Compute c, Object[] o){  
    // your code goes here  
  
}
```

That will, for each array entry, apply the compute function that the user gives you.