Assignment 9 Design Notebook

1) This assignment is to get familiar with linked list by making an itenerary for a japanese trip for our parrot friends.

2)

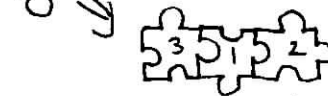| Know	Don't	Learned
read files	bubble sort (not much)	bubble sort
class creation	linked Lists (kind of confident)	manipulate linked lists
iterations		Fun Things in Japan

3)

step 1:
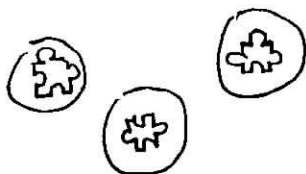 Declare single Linked List
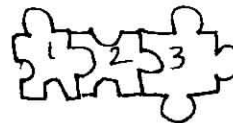Declare double linked List

step 2:
make Destinations from file
make single linked list with destinations
Display pic on puzzle
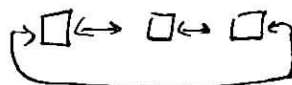
step 3:
Bubble sort => Print Puzzle sorted

step 4:
make adventure destinations => add to linked list

step 5:
add to double linked list

Print bookmarks

4) pseudo Code

```
// step 1

    ItineryLinked List  single = new I...  ;
    DoubleLinkedList  double = new Doub...;

// Step 2

    File  read = new File("itin.txt");
    Scanner  scan = new Scanner(read);

    While (Scan.has next) {
        stop = nextInt();
        Type = next();
        Name = next();
        Activity = nextLine();
        Destination = new Dest (above);
        single.addDest (Destination)
    }
    single.print

// step 3

    single.bubble sort
    single.print
```

```
// step 4

    File  update = new File
    Scanner  = new Scanner(update)

    while (scanner.hasnext) {
        Name = next();  Dest = next
        stop = nextInt;
        type = next ();
        name = next
        Activity = nextline;
        Destination adventure = new Dest
        // Find Dest in single
        While (!Dest)
            single.update(Dest, adventure)
    }
    Single.print

    // step 5

    double.addAdventure ();

    double.print Backwards;
```