**package** circularlinkedlist;

**import** java.util.\*;

**public** **class** CircularLinkedList {

**static** **class** Node {

**int** data;

Node next;

**public** Node(**int** data) {

**this**.data = data;

next = **null**;

}

}

Node head;

**public** **void** insert(**int** data) {

Node newNode = **new** Node(data);

**if** (head == **null**) {

head = newNode;

newNode.next = head;

} **else** **if** (data < head.data) {

Node curr = head;

**while** (curr.next != head) {

curr = curr.next;

}

newNode.next = head;

head = newNode;

curr.next = head;

} **else** {

Node curr = head;

**while** (curr.next != head && curr.next.data < data) {

curr = curr.next;

}

newNode.next = curr.next;

curr.next = newNode;

}

}

**public** **void** printList() {

Node curr = head;

**if** (head == **null**) {

System.***out***.println("List is empty");

**return**;

}

**do** {

System.***out***.print(curr.data + " ");

curr = curr.next;

} **while** (curr != head);

}

**public** **static** **void** main(String[] args) {

CircularLinkedList list = **new** CircularLinkedList();

list.insert(3);

list.insert(5);

list.insert(8);

list.insert(2);

list.printList();

}

}

