**package** com;

**public** **class** circular{

**public** **class** Node{

**int** data;

Node next;

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

**this**.data = data;

}

}

**public** Node head = **null**;

**public** Node tail = **null**;

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

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

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

head = newNode;

tail = newNode;

newNode.next = head;

}

**else** {

tail.next = newNode;

tail = newNode;

tail.next = head;

}

}

**public** **void** sortList() {

Node current = head, index = **null**;

**int** temp;

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

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

}

**else** {

**do**{

index = current.next;

**while**(index != head) {

**if**(current.data > index.data) {

temp =current.data;

current.data= index.data;

index.data = temp;

}

index= index.next;

}

current =current.next;

}**while**(current.next != head);

}

}

**public** **void** display() {

Node current = head;

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

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

}

**else** {

**do**{

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

current = current.next;

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

System.***out***.println();

}

}

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

circular cl = **new** circular();

cl.add(350);

cl.add(440);

cl.add(330);

System.***out***.println("Original list: ");

cl.display();

cl.sortList();

System.***out***.println("Sorted list: ");

cl.display();

}

}