//Data Structure-Final Code

public class PAIR{

public String key;

public int value;

public PAIR(String key, int value)

{

this.key=key;

this.value=value;

}

public void display()

{

System.out.print("{"+key+","+value+"}");

}

}

public class STACK{

public PAIR[] theStack;

public int top;

public int MaxSize;

public STACK(int size)

{

MaxSize = size;

theStack = new PAIR[MaxSize];

top=-1;

}

public void push(PAIR j)

{

theStack[++top] = j;

}

public PAIR pop()

{

PAIR s = theStack[top--];

s.display();

return s;

}

public boolean isEmpty()

{

return top==-1;

}

}

public class STACKPAIR{

public static void main(String[] args)

{

STACK newStack = new STACK(2);

PAIR p = new PAIR("Apple",5);

newStack.push(p);

PAIR s = new PAIR("Speed",70);

newStack.push(s);

while(!newStack.isEmpty()){

newStack.pop();

}

}

}