**package** org.stack;

**public** **class** Stack

{

**static** **final** **int** ***MAX*** = 1000;

**int** top;

**int** a[] = **new** **int**[***MAX***];

**boolean** isEmpty()

{

**return** (top < 0);

}

Stack()

{

top = -1;

}

**boolean** push(**int** x)

{

**if** (top >= (***MAX***-1))

{

System.***out***.println("Stack Overflow");

**return** **false**;

}

**else**

{

a[++top] = x;

System.***out***.println(x + " pushed into stack");

**return** **true**;

}

}

**int** pop()

{

**if** (top < 0)

{

System.***out***.println("Stack Underflow");

**return** 0;

}

**else**

{

**int** x = a[top--];

**return** x;

}

}

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

{

Stack s = **new** Stack();

s.push(10);

s.push(20);

s.push(30);

System.***out***.println(s.pop() + " Popped from stack");

}

}