**package** com;

**public** **class** Stackprogramme{

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

**int** top;

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

**boolean** isEmpty() {

**return** (top < 0);

}

Stackprogramme() {

top = -1;

}

**boolean** push(**int** Number) {

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

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

**return** **false**;

}

**else** {

xyz[++top] = Number;

System.***out***.println(Number + " is pushed into the stack");

**return** **true**;

}

}

**int** pop() {

**if** (top < 0){

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

**return** 0;

} **else**{

**int** Result = xyz[top--];

**return** Result;

}

}

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

Stackprogramme stkp = **new** Stackprogramme();

stkp.push(20);

stkp.push(40);

stkp.push(80);

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

}

}

