

## Lab Work 05 - StackArray class

1. Complete the coding of the StackArray class.
2. Write a Java program to convert a decimal number into a binary number.

```
class StackArray {  
  
    private int maxSize; //size of stack array  
  
    private int [] stackData;  
  
    private int top; //top of stack  
  
    //-----  
  
    public StackArray (int s) {...} //constructor  
  
    public void push (int j) {...} //put item on top of the stack  
  
    public int pop () {...} //take item from top of the stack  
  
    public int peek () {...} //peek at top of the stack  
  
    public boolean isEmpty () {...} //true if stack is empty  
  
    public boolean isFull () {...}  
  
} //end class StackArray
```