

```

/* Java program to implement stack
operations using array*/
class Stack
{
    static int MAX = 100;
    int top;
    int a[] = new int[MAX];    // Maximum size of Stack

    boolean isEmpty ()
    {
        return (top < 0);
    }
    Stack ()
    {
        top = -1;
    }

    boolean push (int x)
    {
        if (top >= (MAX - 1))
        {
            System.out.println ("Overflow condition reached");
            return false;
        }
        else
        {
            a[++top] = x;
            System.out.println (x + " pushed into stack");
            return true;
        }
    }

    int pop ()
    {
        if (top < 0)
        {
            System.out.println ("Underflow condition reached");
            return 0;
        }
        else
        {
            int x = a[top--];
            return x;
        }
    }

    int peek ()
    {
        if (top < 0)
        {
            System.out.println ("Underflow condition");
            return 0;
        }
    }
}

```

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    else
    {
        int x = a[top];
        return x;
    }
}
```

```
class Main
{
    public static void main (String args[])
    {
        Stack stk = new Stack ();
        stk.push (20);
        stk.push (40);
        stk.push (60);
        System.out.println ("element popped out : " + stk.pop ());
    }
}
```