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Std - ECS - B - 3rd sem.
Subject - DSA Assignment.
Roll no - 33.

→
```
class Simplestack {
    int size = 4;
    int arr[] = new int [size];
    int top = -1;

    public void push (int x) {
        if (top == size - 1) {
            System.out.println (" full stack")
        } else {
            top++;
            arr [top] = x;
            system.out.println("x +" pushed into
                stack");
        }
    }
    public void pop () {
        if (top == -1) {
            system.out.println ("stack is empty,
                cannot pop");
        } else {
            int value = arra[top];
            top--;
            system.out.println (value + "popped
                from stack");
        }
    }
}
```

```java
public void peek (){
    if (top == -1){
        System.out.println("Stak is empty");
    } else {
        System.out.println(" Top element is:
                + arr [top]);
    }
}
}
}


public class StackDemo{
    public static void main (string [] args){
        simplestack s = new simplestack ();

        s.push (10);
        s.push (20);
        s.push (30);
        s.push (40);
        s.push (40);

        s.peek ();

        s.pop();
        s.pop();
        s.pop();
        s.pop();
        s.pop();
    }
}
```