PRACTICE-PROJECT8

INSERT AND REMOVE ELEMENTS IN A STACK –

**package** practice;

**public** **class** Stack {

**private** **class** Node {

**int** data;

Node link;

Node(**int** data) {

**this**.data = data;

**this**.link = **null**;

}

}

Node top;

Stack() {

**this**.top = **null**;

}

**public** **void** push(**int** data) {

Node temp = **new** Node(data);

temp.link = top;

top = temp;

}

**public** **void** pop() {

**if**(top == **null**) {

System.***out***.println("\nStack Underflow!");

}

**else** {

top = top.link;

}

}

**public** **void** print() {

**if**(top == **null**) {

System.***out***.println("\nStack Underflow!");

}

**else** {

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

Node temp = top;

**while**(temp != **null**) {

System.***out***.print(temp.data);

temp = temp.link;

**if**(temp != **null**) {

System.***out***.print("->");

}

}

System.***out***.println();

}

}

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

Stack so = **new** Stack();

so.push(5);

so.push(10);

so.push(15);

so.push(20);

so.push(25);

so.print();

so.pop();

so.print();

so.pop();

so.pop();

so.print();

}

}