Write a joura program using generies Show stack class for 5 integer value & 5 double value import jana. util. Stack; public class stack <T> & (Forstek []; int stop; final int Size = 5; Stack () 2 Stek = (E[]) new object (size); top = -1; word push) public int maxsize; public int top; public object to stack touray; public stacks (Int size) ( max size = size; StackAnnay = new object (max size); public void push (7 value) ? if (top < max.Size -1) { stack Agoray [top] = Malue; therow new Kuntime Exception (" Stack is full);

blie Tpop() {

if (! is Empty()) {

neturn (1) Stack Amay([+op-];
} public TpopUL Throw new Empty 3+ock Exception(); public Boolean is Empty () {

neturn (top = = -1);
} public 3nt size() neturn top #+1; public static wid main (string [7, args) Stack = Interger > intstack = new stack <> (); Stack < Double > doublestack = new stack <> (); for (int i=0; i=5; i+1) & int Stack, push (i)

double stack, push (tdouble);); System, out pointln ("Integer Stack");

for (int i=0; ; 2=5; itt) Saystem. out. pointln (instack - pop (1))

	Page	
	System-out. println ("Double. Stack"); for (int i=0; i=5; i+1)	
	System-out printles An Stock (double pop());	Stack.
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	Integer Stack	
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