classmate String & Abstract . 16/1/24 does smoun write a jour program to execte a genevic class stack which holds 5 integer & s public static void main (string args ()) double values. Generic Stack < Integer> integers tack minero Generic Stack (>C); Class Generic Stack <T> [ Crenevic stack < Double > double stack > Crenevic tack < >C); private Object () Stack Array; private int top=-1; pa ("nt i=1; i≥=5; i++){ private static final int Nos; integers tack push (i); public Generics Gods () for (double 121.0; jc=5.0; i++) ( double stack push (1); Stack Array = new object [N]; System out printly (" poped intogers from the stack:") public void pust (T vaule) while (! Integerstack exempter ()) System out print to (infocustack pope)); if (top <N-1) stack Array [T+top] = value system out printly ("popel double from the stack:") volile (!double is Emply ())} System outprint In ("Stack is full") Sys out printly (\*daublestack.papel); public Tpop () publich (top >=0) return (T) stack Array Ctop =- 3; Output: papped intger from the stark: system out print M ("Stack is empty") return null: popped doubles from the stark; public Goologies is empty (): Shreyas seturt top = = -1; 3 1BM22CS 271 4.0 public boolean isbull) 3-0 E retur top == N-1;3 1.0



