1) Write a Lava profoum to perform the following operations in a tush set. a) Append the specifical element to the end of a hash set. b) Idesade through all clements an a hash set. e) Check wheather a hash set is empty or not d) Get the number of elements in a hash set: ا د ددد ان Soura Code Comprost java. util. Hashset; full your chape is Emport Java- util. Iderator; Hym i ha dall Engrost java. util. Scanner; 1: winds way it : bulbs at of tomats & wind public class hashled & public static votel mous (8ting [] args) { Hash Set < Indeger 7 hs 2 new Hash Set < Indeger 7 (3; boolean flag z true; Scanner Inp = new Scanner (System.in) do } System. oud. printer (a accora Menu abriació) System. and prinkles ("I-Append an element") System. out. prindles (a- Traverse "); Bysdem.oud. proiodles (3- cluck empty) System oud prindles ("4 - Check size"); dend to de la System.oud.prindles ("0 - Enit"); System and print in (" (order your choice !!)); Find C 2 Top. nend Ind (); switch (c) { (who your chair is case 1: 1 System. oud. printles ("Enter element to be added. rus add (inp. nen &Int ();

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case 2: {
             Ideador (Indeger) ideador - he ideador();
             while (Efisador . has Mend(2)
                  System. out. pholo (iderator. nend ();
              Fosente;
             (f (hs. is Empty()) System out priodlo ("Hash sed is Empty"
            else System.out. points ("Hash let i's not Empty");
            System. oud. priodle (Length of hash set is 4 les. size ());
            System. out. paintles ("BYE...");
             flag 2 Julse )
   I while (flag);
enp. close (>;
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Output xxxxxx Menn of house late of the houng 1 - Appund om demest 2 - Traverse 3 - Check empty 9 - Check size 0 - Enit Enter your charce: 3 Committed By Cong. Com. Hash set is empty (Marin D* · // w.) Enter your chose: 1 Silled sale with Enter & dement to be added: 213 Ender your choice: 1 Guter element to be added 23 Enter your choice: 1 Enter element to be added: 67 Enter your choice : A doubt - it allows and is Lugth of hash sed is 3 10 - 10 and and and is Guder your churce: 2 Ender your choice 10 BYE

Although a special new