Name: Prashant Sharma

UID: 20BCS9390

Section: 20BCS_KRG_MM_G1

Subject: DSA

```
Question. 2.
Answer
  vector (int) 8 todents (struct Node * DBMS, struct Node * Java,
        struct Hode * DSA) {
      vector kint > v ;
       Node * ptr 1 = DBMS;
       Node * ptr 2 = Java;
       Hode * ptre 3 = DSA;
 while (pts! = rull & ptr2! = rull ss ptr3! = rull)
         if (ptr 1 + data = = ptr 2+ data && ptr 2+ data == ptr3+data)
          2 v. push. back (ptr1 > data);
                ptr 1 = ptr 1 = next;
                ptr2 = ptr2 > next;
                ptre 3 = ptre3 > next .
        else if ( ptr. 17 data < = ptr. 27 data & 8 ptr. 17 data <= ptr. 2 data)
           { ptr1 = ptr1 > next;}
       else if (ptr 2 + data <= ptr. 1 + data ss ptr. 2 + data <=
               ptor 3> data)
               { ptor2 = ptor 2 + next; }
        else if (ptor 3 + data <= ptor 1 + data 2) ptor 3 > data
                  <= ptr3 > data)
                 { ptx 3 = ptx 3 > next; 3
    return v ;
```