

```
Dit (hash-ky (kmp-data, roll) = addi)
        goto 9
    else it (kmp-da ba. roblno <=0)
         accept temp-data, nave, markl, markl, markl, markl;
          kmp = data . chain = NULLi
         fp. seckp (1 + sixof (kmp-data), ios: by);
         fp. write (cehar + ) & temp da ba), spe of (temp data)
         display ("Table overflow")
   Acept reply = 'Y' 1/ reply = 'Y')
    fp. cb&()
 and procedure.
append - chain ()
 1=addr;
 while (kmp-data rollno! = kmp - 1 ta. rollno) and
        temp-data, chain != XULL)
2
        i= kmp-data . chain;
       fp. seeks (it sizof (tmp-datr), iss: beg);
       Ap. read (charx) & temp-data, sreof (temp-data);
```

Date Engineering kif (trap data, rollno = trap data, rollno) display ( "Record exists in direct acess file"); prer - syn-pos = ); while ( templ = date, rollno > 0) Pp. seeks (1= sixof (kemp data), ios=: keg); fp. read ((chara) & temp-date, stoot (temp-date)); accept marks, marks 2, marks 3 kmp - da la, chain = NULLi tseek ( fp, ix sizel (stud), 0); Funix ( & Stemp da ta, star of (stud), 1, fp); freek ( fp, prev-syn-pos \* size of (stovd), 0); freed ( & temp-data, size of (strud), 1, fp) trap de ta chain = 1; return. procedure

Display chain while (temp-date, N) 1= templ-date, voll) i = tmp data. Chaini to seek (i = size of (kmp-dala)); Ap. read ( the (char +) & kmp -data); it (temp-data, roll = = kmpl \_ data, roll) display record display "Does not exist" end procedy (iv) Updak chain While (kmpl-data. roll 1= jemp data. roll) 1= kmp/ data chain fp. seeky (in sicrof (kmp\_data)/ fp. Rad (Chart) & kmp-data); If (temp) - data, 1011 = kmp-data, 1011) display) accept new days kemp- 1969, chain = templ-data-chain Ap. serbo (it sized (temp date)); fp. wrik ((char\*) & temp-data); e 10 Display " Decord door not exist" end pocede

