```
Function find_hash1(w,n)
         len=strlen(w)
         if(len==1)
                 index=(2*w[0])%n
         Else
                 index=((w[0]+w[1]+w[n-2]+w[n-1])/len)%n
         Return index
  Function find_hash2(w,n)
         len=strlen(w)
         index=0
         for(i=0 to n)
                 index=index+w[i]
         index=(index/len)%n
         Return index
  Function store_word(H,n,w)
         index1=find_hash1(w,n)
         index2=find_hash2(w,n)
         Struct s well=createnode(w)
         count1=0
         count2=0
         Struct s a=H[index1]
         Struct s sel=H[index2]
         while(a.nxt!=NULL)
                 a=a.nxt
                 Count1++
         while(sel.nxt!=NULL)
                sel=sel.nxt
                 Count2++
         if(count1<=count2)
                 Struct s selli=H[index1]
                 while(selli.nxt!=NULL)
                        selli=selli.nxt
                 selli.nxt=well
         Else
                 Struct s sellis=H[index2]
                 while(sellis.nxt!=NULL)
                        sellis=sellis.nxt
                 sellis.nxt=well
```

```
Function print_table(H,n)
       for(i=0 to n)
              if(H[i]==NULL)
                      Print NULL
               Else
                      Struct s sel=H[i]
                      while(sel!=NULL)
                             Print sel.word
                             sel=sel.nxt
2)
Function read_and_store(ch,j,n)
       If j>n
              Return NULL
       flag=0, rto=0
       strncpy(sr,ch+j,ch+j+4)
       j=j+5
       While ch[j]!=' ')
               num=ch[j]-'0'
               rto=(rto*10)+num
              J++
       ar[0]=0
       ar[1]=0
       root=newnode(rto,sr)
       index=-1
       If j<=n and ch[j+1]=='('
              index=findind(ch,j+1,n,ar)
       Return root
Function findind(ch,j,n,ar)
       If n<j
               Return -1
       z=0,stage=1,tot=0,flag=0,supreme
       For i=0 to n
              if(ch[i]=='(')
                      Z++
                      i=i+5
              Else if ch[i]==')'
                      Z-
```

```
Else if(isdigit(ch[i])
                     k=ch[i]-'0'
                     tot=tot*10 + k
              Else if ch[i]==' '
                     If stage==1
                            Ar[0]++
                     Else if stage==2
                            Ar[1]++
              tot=0
       If z==0 and stage==1
              supreme=i+1
              stage=2
If ar[0] == 0 and ar[1] == 0
       Return -1
Else
       Return supreme
Return -1
Function print_employees(T)
       if(T==NULL)
              Return NULL
       print_employees(T.left)
       Print T.eid
       print_employees(T.right)
Function find_employees(T)
       if(T==NULL||(T.left==NULL and T.right==NULL)
              return
       sum=findsum(T,sum)
       if(T.r>sum)
              Print T.eid
       find_employees(T.left)
       find_employees(T.right)
Function findsum(T,sum)
       if(T==NULL)
              Return sum
       sum=sum+T.r
       findsum(T.left,sum)
       findsum(T.right,sum)
```