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▷ Ш ··
  jndfjf.c × ⇔ structure-only-after.html
                                                                                                 Grades.java
                                                                                                                                         C hello.c
C jndfjf.c > ⊕ main()
             #include<stdio.h>
             #include<string.h>
int F(char symbol){
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                       switch(symbol)
                               case '+':
case '-':return 2;
case '*':
case '/':return 4;
case '^:
case 's':return 5;
case '(':return 0;
case '#':return -1;
default:return 8:
 12
13
14
15
                                 default:return 8;
            }
int G(char symbol){
    switch(symbol)
    {
    case '+':
 18
19
                               case '+':
case '-':return 1;
case '*':
case '/':return 3;
case '^:
case '(':return 9;
case '):return 0;
default:return 7;
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```

```
X structure-only-after.html
                                                              Grades.java
C jndfjf.c > 分 main()
               }
         void infix_postfix(char infix[],char postfix[]){
               int top,i,j;
               char s[30], symbol;
               top=-1;
               s[++top]='#';
               j=0;
for(i=0;i<strlen(infix);i++){
    symbol=infix[i];
                     while(F(s[top])>G(symbol)){
   postfix[j]=s[top--];
                           if(F(s[top])!=G(symbol)){
    s[++top]=symbol;
                                 else
                                 top--;
                           while(s[top]!='#'){
    postfix[j++]=s[top--];
}postfix[j]='\0';
        int main()
        (
               char infix[20],postfix[20];
printf("Enter the valid infix expression\n");
scanf("%s",infix);
infix_postfix(infix,postfix);
55
56
57
               printf("The postfix expression is \n");
printf("%s",postfix);
```

```
Enter the valid infix expression

a^b*c-d+e/f/(g+h)

The postfix expression is

ab^c*d-ef/gh+/+

PS C:\Users\PUNEETH K\Desktop\data structures>
```

```
Conversion from citix to postfix
# include Zstdio h>
# include < string h)
  cht F (chas symbol)
     Switch (Symbol)
       cau '+' .
        can - : artuen 2;
       care * : .
       cau 1: return 4;
      cur i:
       cau $ : return 5;
        cale "C": seturn O;
       care # : arturn -1;
       default: return 8;
   int G (chas symbol)
       Switch (Symbol)
      cau't'
      can'- ": utum 1;
      caut: actum 3;
      call A:
      can's : return 6;
      can it: return 9;
      care ): uturn o,
      default : action 7:
```

```
void wfix-postfix (char wfix[], postfix[])
 { int top, i, i;
    char s[30], symbol;
     top = - 1;
      S[++top] = '#1;
       for (i=0; i< stales (infix); i++)
         Symbol = infix [i],
       while (F(s[top])>G(symbol))
            podfix[j] = S[top--];
              v ++ ;
       4 (FCS [top]) 1 = G (symbol)
         s[++top] = symbol;
         elu
       while ( s[top] = #)
         portfix (j+t) = s[top--];
         patfix [j] = 10';
      void main () [
        chow wiftx[20];
        elia portfix[20];
   point ("enter the valid infix expussion ("");
    Scant (%5", infix);
     uf x _ postfix ( wifix, postfix);
        funt ("the path's expuerien is (")");
         paintf ("%s\n"; portfix);
```