infix 
$$A + B * C / D * E * O$$

Chan Stack Postfin

A \$ +,/,\$ ABCAD

+ + A

B +, AB

ABCADE

A

```
Struct Stack

Char St[10];
int tos;

Si

Void push (Shut stack th, clar);

Char pop (Shut stack th);

int is compty (Shut stack);

int isoperand (char);

int proced (char, char);

Void Convert (char[], char[]);
```

```
wid main()

d char infix [40], postfix [40];

print("Ententhe infix expression=");

Scanf("-1-s", infix);

Convert (infix, postfix);

Print(" postix expression is=7.5", postfix);

geta();

ABCA+
```

```
yoid push (shot stack top, chan c)

{
    if (P > tos = = 9)
    {
        pointh: Stalk is overflow;
        return;
        P > tos = P > tos + 1;
    }

    P > st [P > tos] = C;

    char pop (shot stack top)
    if (stos = = -1)
    if (P > tos = = -1)
        return;
    }

    printf: Stack top)
    if (stos = -1)
    char:
    printf: Stack is a underlied;
    }

    return (-1);
```

```
void Convert ( the infix[), the pasfix[])

{ int i, j=0, result;

struct stack s;

the stack s;

the stack s;

for (i=0; infix[i]!="\0"; i++;

{ c= infix[i];

if ( isoperand(c) == 1)

{ postfix[j] = c;

} // while end

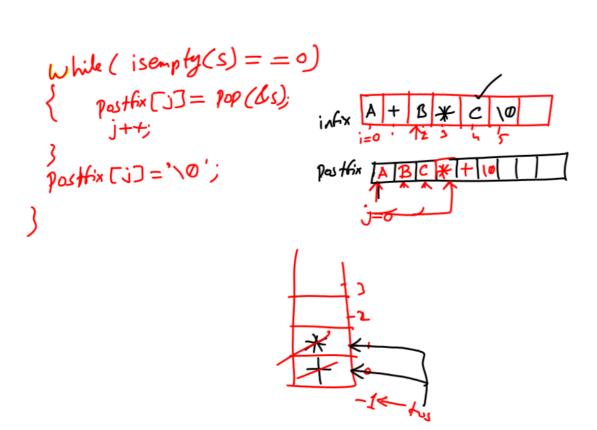
{ break;

} // while end

} // horead

{ while ( isempty(s) == 0)

result = proced(c, s.st(stos));
```



```
int isoperend (char ch)

if ((dx='A' bb dx='Z') || (dx='a' bb dx='Z') ||

else Jetnen (1);

retnen 0;

int Precd (char op1, char op2)

if (op2 == '$')

else if (op1 == '$')

else if (op2 == '$')

else if (op2 == '1' ||

el
```

```
int precod ( the op1, then op2)

{

if (op1 == '$')

yeth 0;

else if (op2 == '/';|op2 == 'x' || op2 == '/')

yeth 0;

else if (op1 == '/' || op1 == 'A' || op1 == '/')

else if (op1 == '/' || op1 == 'A' || op1 == '/')

else if (op2 == '+' || op2 == '-')

else if (op2 == '+' || op2 == '-')

else yethen 0;

else

yethen 1;
```