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Untitled1.c X
#include <stdio.h>
# define MAX 100
char stack[MAX];
int top=-1;
void push (char ch)
     if (top==MAX-1)
         printf("Stack is full\n");
     else
         top++;
         stack[top]=ch;
char pop()
     char item;
     if (top==-1)
      printf("\n stack is empty !");
     else
         item=stack[top];
         top--;
         return item;
int stackempty()
```

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Untitled1.c X
int stackempty()
   if(top==-1) return 1;
   else return 0;
char stacktop()
    if( top==-1)
        printf("\n stack is empty!");
    else
        return stack[top];
int priority (char ch)
    switch (ch)
        case '+':
        case '- return (1);
         case :
        case :return (2);
        case : return ();
        default : return (0);
```

```
int main(int argc, char **argv)
    char infix[100];
    int i, item;
    printf("Enter the infix expression :");
    scanf("%s", infix);
    printf("Expression : %s",infix);
    printf("\n Postfix: ");
     i=0;
      while (infix[i]!='\0')
         switch (infix[i])
             case '(': push(infix[i]);
                       break;
             case ') ': while (( item=pop())!='(')
                         printf("%c", item);
                       break;
              case '+':
              case '-':
              case ::
                       while (!stackempty() && priority(infix(i)) = priority(stacktop()))
                             item=pop();
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