Submitted By:

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Roll No.:18

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## Code-

```
##stclede scattle.he
##stclede.he
##stcled
```

```
cont inflatobactful(char infla.exp[], char postfix.exp[])
cont tan, i;
publ('(inflaton, i;
publ('(inflaton, i;
publ('(inflaton)), inflaton, i;
continue (inflaton), inflaton, inflaton, i;
continue (inflaton), inflaton, inf
```

```
fr (top == -:) {
    printf("\ninvalid Infix Expression.\n");
    ext(!);
    }
    pop();
else {
        printf("\ninvalid Infix Expression.\n");
        ext(!);
}

item = infix_exp[++1];
}

if (top >= 0) {
    printf("\ninvalid Infix Expression.\n");
    exit(!);
    }

if (top >= 0) {
    printf("\ninvalid Infix Expression.\n");
    exit(!);
}

postfix_exp[j] = '\0';
}

int nain() {
    char infix[SIZE], postfix[SIZE];
    printf("\nenter Infix expression: ");
    fgets(infix, SIZE, stdin);

    size_t len = strlen(infix);
    if (len > 0 && infix[len - 1] == '\n') {
        infix[len - 1] = '\0';
    }

    InfixToPostfix(infix, postfix);
    printf("Postfix Expression: ");
    puts(postfix);
    return 0;
}
```

## Output-

```
traontingtraontin-HP-Probesk-400-07-Htcrotomer-PC:-$ geclt tp.c
traoftingtraontin-HP-Probesk-400-67-Htcrotomer-PC:-$ gec tp.c
traoftingtraontin-HP-Probesk-400-67-Htcrotomer-PC:-$ ./a.out
Enter Infix expression: a+b*c
Postfix Expression: abc*+
traontingtraontin-HP-Probesk-400-67-Htcrotomer-PC:-$ gec tp.c
traontingtraontin-HP-Probesk-400-67-Htcrotomer-PC:-$ ./a.out
Enter Infix expression: a+b*d*c/e+a*c*+
Postfix Expression: abd**ce/+ac*-e*
traontingtraontin-HP-Probesk-400-67-Htcrotomer-PC:-$
```