```
while ( TOP! = -1
                                                                                   && precedence(stack[TOP])
Name: Aaron Varkey
                                                          ==precedence(ch)){
Roll No: 1
                                                             postfix[j++] = pop();
Date: 31-07-2025
                                                             push(ch);
#include<stdio.h>
#include<ctype.h>
#define SIZE 100
                                                           }
                                                            while(TOP !=-1){
                                                            postfix[j++] =pop();
char stack[SIZE];
int TOP = -1;
                                                            }
void push(char c){
                                                           postfix[j] = ' \ 0';
                                                          }
if (TOP ==SIZE-1)
 return;
else {
                                                          int evalPostfix(char postfix[]){
 TOP++;
 stack[TOP] = c;
                                                           int S2[32];
}
                                                           int top =-1;
}
                                                           int i = 0;
                                                           int a,b;
                                                           while((ch=postfix[i++]) != ' \0'){
char pop(){
if (TOP ==-1)
                                                            if (isdigit(ch)){
 return;
                                                            S2[++top] = ch - '0';
                                                            }
 else{
                                                            else{
 char c = stack[TOP];
                                                             a = S2[top--];
 TOP--;
                                                             b = S2[top--];
 return c;
 }
                                                             switch(ch){
}
                                                             case '+': S2[++top] = b+a; break;
                                                             case '-': S2[++top] = b-a; break;
                                                             case '*': S2[++top] = b*a; break;
int precedence(char c){
                                                              case '/': S2[++top] = b/a; break;
if (c=='^') return 3;
else if (c=='*' || c=='/') return 2;
else if (c=='+' || c=='-') return 1;
                                                            }
 else return 0;
                                                           int result = S2[top];
                                                           return result;
void infixToPostfix(char infix[], char postfix[]){
                                                          void main(){
 char ch ;
 int i = 0, j=0;
                                                           char postfix[SIZE] ,infix[SIZE];
 for(i=0; infix[i] !='\0'; i++){
                                                           printf("Enter the infix value (don't enter white
                                                          space) : ");
 ch = infix[i];
                                                           scanf("%s", infix);
 if(isdigit(ch))
                                                           infixToPostfix(infix, postfix);
  postfix[j++] = ch;
  else if (ch=='('){
                                                           printf("\nPostfix exp : %s\n", postfix);
  push(ch);
  }
                                                           int result = evalPostfix(postfix);
  else if (ch ==')'){
                                                           printf("result = %d\n", result);
  char popedChar = pop();
  while(popedChar !='('){
   postfix[j++] =popedChar;
                                                          }
   popedChar = pop();
   }
  else {
```

```
Output:
Compilation Error:
uploads\infix_to_postfix.c: In function 'pop':
uploads\infix_to_postfix.c:24:3: warning: 'return'
with no value, in function returning non-void
  return;
  ^~~~~
uploads\infix_to_postfix.c:21:6: note: declared here
char pop(){
    ^~~
uploads\infix_to_postfix.c: In
                                      function
'evalPostfix':
uploads\infix_to_postfix.c:89:9: error: 'ch'
undeclared (first use in this function)
 while((ch=postfix[i++]) != '\0'){
       ^~
undeclared identifier is reported only once for each
function it appears in
* /
```