```
PROGRAM:
def precedence(op):
                                                             elif ch in "([{":
  if op in ('+', '-'):
                                                               stack.append(ch)
    return 1
                                                             elif ch in ")]}":
  if op in ('*', '/'):
                                                               while stack and stack[-1] not in "([{":
    return 2
                                                                 output += stack.pop()
  if op == '^':
                                                               stack.pop()
    return 3
                                                             else:
  return 0
                                                               while stack and precedence(stack[-1])
                                                        >= precedence(ch):
def is_operand(ch):
                                                                 output += stack.pop()
  return ch.isalnum()
                                                               stack.append(ch)
def infix_to_postfix(expression):
                                                          while stack:
  stack = []
                                                             output += stack.pop()
  output = ""
                                                          return output
  for ch in expression:
                                                        expr = input("Enter an infix expression: ")
    if is_operand(ch):
```

output += ch

print("Postfix Expression:",

infix_to_postfix(expr))

```
Python 3.13.1 (tags/v3.13.1:0671451, Dec 3 2024, 19:06:28) [MSC v.1942 64 bit (
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
======== RESTART: C:/Users/24ucs008/Desktop/6A.py ===========
Enter an infix expression: 1*2+3 4 5\
Postfix Expression: 12*3+4 5 \
======= RESTART: C:/Users/24ucs008/Desktop/6A.py ===========
Enter an infix expression: 1*4+5 6 7 + 6 -
Postfix Expression: 14*5+6 7 + 6 -
======= RESTART: C:/Users/24ucs008/Desktop/6A.py ===========
Enter an infix expression: =
Postfix Expression: =
======== RESTART: C:/Users/24ucs008/Desktop/6A.py ==========
Enter an infix expression: 1+2
Postfix Expression: 12+
======= RESTART: C:/Users/24ucs008/Desktop/6A.py ===========
Enter an infix expression: 4/2 3*3-4
Postfix Expression: 42/33*4-
```