

```

clear all;
close all;
clc;

N = input('Enter the number of samples: ');
Xk = input('Enter the input sequence: ');

function xn = myIDFT(Xk,N)
end

disp("Final IDFT output:");

```

Final IDFT output:

```
disp(xn);
```

Unrecognized function or variable 'xn'.

```

% Plot result
n = 0:N-1;
subplot(3,1,1);
stem(n,xn);
xlabel('n');
ylabel('x(n)');
title('IDFT Output');
grid on;

subplot(3,1,2);
plot(n, abs(xn));
xlabel('n');
ylabel('|x(n)|');
title('Magnitude of IDFT Output');
grid on;

subplot(3,1,3);
plot(n, angle(xn));
xlabel('n');
ylabel('Phase of x(n)');
title('Phase of IDFT Output');
grid on;

```