```
%Design of IIR filter using impulse invariant technique
clc;
clear all;
b=input('enter numerator coefficients :');
a=input('enter denorenter coefficients :');
f=input('enter the sampling frequency :');
[bz,az]=impinvar(b,a,f)
```

Output:
enter numerator coefficients :[1 2]
enter denorenter coefficients :[1 3 2]
enter the sampling frequency :5

bz =

    0.2000   -0.1341

az =

    1.0000   -1.4891   0.5488