

---

```
Fs=8000;
```

```
x_a=audioread('C:\Users\nicho\Desktop\Assignment8\Vowels/a.wav');  
x_e=audioread('C:\Users\nicho\Desktop\Assignment8\Vowels/e.wav');  
x_i=audioread('C:\Users\nicho\Desktop\Assignment8\Vowels/i.wav');  
x_o=audioread('C:\Users\nicho\Desktop\Assignment8\Vowels/o.wav');  
x_u=audioread('C:\Users\nicho\Desktop\Assignment8\Vowels/u.wav');  
x_y=audioread('C:\Users\nicho\Desktop\Assignment8\Vowels/y.wav');  
x_ae=audioread('C:\Users\nicho\Desktop\Assignment8\Vowels/ae.wav');  
x_oe=audioread('C:\Users\nicho\Desktop\Assignment8\Vowels/oe.wav');  
x_aa=audioread('C:\Users\nicho\Desktop\Assignment8\Vowels/aa.wav');
```

```
lpc_a=lpc(x_a, 10);  
lpc_e=lpc(x_e, 10);  
lpc_i=lpc(x_i, 10);  
lpc_o=lpc(x_o, 10);  
lpc_u=lpc(x_u, 10);  
lpc_y=lpc(x_y, 10);  
lpc_ae=lpc(x_ae, 10);  
lpc_oe=lpc(x_oe, 10);  
lpc_aa=lpc(x_aa, 10);
```

```
sound(x_a, Fs);
```

```
a=filter(lpc_a, 1, x_a);  
pause(1);  
sound(a, Fs);
```

```
x_i2=filter(1, lpc_i, a);  
pause(1);  
sound(x_i2, Fs);
```

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