**OST EXP NO:-6**

a=input('Énter a in zeros and one form:');

b=input('Énter b in zeros and one form:');

N=length(a);

count =0;

for i=1:N;

if a(i)~=b(i)

count =count +1;

end

end

str=sprintf('Hamming distance:%d',count);

disp(str);

Énter a in zeros and one form: 1001101101

Énter b in zeros and one form:0110011111

Hamming distance:1

clc

clear all

pi=3.14;

f=[240 254 302 320 358.5 381 451 470];

N=1:1000;

fs=2000; *//sampling frequency*

temp=[]

y=[]

for i=1:length(f) *//SA RE GA MA PA DHA NI SA*

y=sin(2\*pi\*(f(i)/fs)\*N)

temp=[temp y]

end

for i=length(f):-1:1 *//SA NI DHA PA MA GA RE SA*

y=sin(2\*pi\*(f(i)/fs)\*N)

temp=[temp y]

end

sound(temp,fs)