create database Music101DB;

use Music101DB;

create table scales

(ChordName varchar(10)not null,

One varchar(2) ,

Two varchar(2),

Three varchar(2),

Four varchar(2),

Five varchar(2),

Six varchar(2),

Seven varchar(2),

Eight varchar(2));

create table scalesNum

(ChordName varchar(10)not null,

One int(2) ,

Two int(2),

Three int(2),

Four int(2),

Five int(2),

Six int(2),

Seven int(2),

Eight int(2));

insert into scales values

("C major","C","D","E","F","G","A","B","C");

insert into scales values

("D major","D","E","F#","G","A","B","C#","D");

insert into scales values

("E major","E","F#","G#","A","B","C#","D#","E");

insert into scales values

("F major","F","G","A","Bb","C","D","E","F");

insert into scales values

("G major","G","A","B","C","D","E","F#","G");

insert into scales values

("A major","A","B","C#","D","E","F#","G#","A");

insert into scales values

("B major","B","C#","D#","E","F#","G#","A#","B");

insert into scales values

("C minor","C","D","Eb","F","G","Ab","Bb","C");

insert into scales values

("D minor","D","E","F","G","A","Bb","C","D");

insert into scales values

("E minor","E","F#","G","A","B","C","D","E");

insert into scales values

("F minor","F","G","Ab","Bb","C","Db","Eb","F");

insert into scales values

("G minor","G","A","Bb","C","D","Eb","F","G");

insert into scales values

("A minor","A","B","C","D","E","F","G","A");

insert into scales values

("B minor","B","C#","D","E","F#","G","A","B");

insert into scales values

("Db major","Db","Eb","F","Gb","Ab","Bb","C","Db");

insert into scales values

("Eb major","Eb","F","G","Ab","Bb","C","D","Eb");

insert into scales values

("Gb major","Gb","Ab","Bb","B","Db","Eb","F","Gb");

insert into scales values

("Ab major","Ab","Bb","C","Db","Eb","F","G","Ab");

insert into scales values

("Bb major","Bb","C","D","Eb","F","G","A","Bb");

insert into scales values

("C# minor","C#","D#","E","F#","G#","A","B","C#");

insert into scales values

("D# minor","D#","F","F#","G#","A#","B","C#","D#");

insert into scales values

("F# minor","F#","G#","A","B","C#","D","E","F#");

insert into scales values

("G# minor","G#","A#","B","C#","D#","E","F#","G#");

insert into scales values

("A# minor","A#","C","C#","D#","F","F#","G#","A#");

insert into scales values

("C# major","C#","D#","F","F#","G#","A#","C","C#");

insert into scales values

("D# major","D#","F","G","G#","A#","C","D","D#");

insert into scales values

("F# major","F#","G#","A#","B","C#","D#","F","F#");

insert into scales values

("G# major","G#","A#","C","C#","D#","F","G","G#");

insert into scales values

("A# major","A#","C","D","D#","F","G","A","A#");

insert into scales values

("Db minor","Db","Eb","E","Gb","Ab","A","B","Db");

insert into scales values

("Eb minor","Eb","F","Gb","Ab","Bb","B","Db","Eb");

insert into scales values

("Gb minor","Gb","Ab","A","B","Db","D","E","Gb");

insert into scales values

("Ab minor","Ab","Bb","B","Db","Eb","E","Gb","Ab");

insert into scales values

("Bb minor","Bb","C","Db","Eb","F","Gb","Ab","Bb");

insert into scales values

("Cb major","Cb","Db","Eb","E","Gb","Ab","Bb","Cb");

insert into scales values

("Cb minor","Cb","Db","D","E","Gb","G","A","Cb");

insert into scales values

("Fb major","Fb","Gb","Ab","A","B","Db","Eb","Fb");

insert into scales values

("Fb minor","Fb","Gb","G","A","B","C","D","E");

insert into scales values

("B# major","B#","D","E","F","G","A","B","C");

insert into scales values

("B# minor","B#","D","D#","F","G","G#","A#","C");

insert into scales values

("E# major","E#","G","A","A#","C","D","E","F");

insert into scales values

("E# minor","E#","G","G#","A#","C","C#","D#","F");

insert into scalesNum values

("C major",1,3,5,6,8,10,12,1);

insert into scalesNum values

("D major",3,5,7,8,10,12,2,3);

insert into scalesNum values

("E major",5,7,9,10,12,2,4,5);

insert into scalesNum values

("F major",6,8,10,11,1,3,5,6);

insert into scalesNum values

("G major",8,10,12,1,3,5,7,8);

insert into scalesNum values

("A major",10,12,2,3,5,7,9,10);

insert into scalesNum values

("B major",12,2,4,5,7,9,11,12);

insert into scalesNum values

("C minor",1,3,4,6,8,9,11,1);

insert into scalesNum values

("D minor",3,5,6,8,10,11,1,3);

insert into scalesNum values

("E minor",5,7,8,10,12,1,3,5);

insert into scalesNum values

("F minor",6,8,9,11,1,2,4,6);

insert into scalesNum values

("G minor",8,10,11,1,3,4,6,8);

insert into scalesNum values

("A minor",10,12,1,3,5,6,8,10);

insert into scalesNum values

("B minor",12,2,3,5,7,8,10,12);

insert into scalesNum values

("Db major",2,4,6,7,9,11,1,2);

insert into scalesNum values

("Eb major",4,6,8,9,11,1,3,4);

insert into scalesNum values

("Gb major",7,9,11,12,2,4,6,7);

insert into scalesNum values

("Ab major",9,11,1,2,4,6,8,9);

insert into scalesNum values

("Bb major",11,1,3,4,6,8,10,11);

insert into scalesNum values

("C# minor",2,4,5,7,9,10,12,2);

insert into scalesNum values

("D# minor",4,6,7,9,11,12,2,4);

insert into scalesNum values

("F# minor",7,9,10,12,2,3,5,7);

insert into scalesNum values

("G# minor",9,11,12,2,4,5,7,9);

insert into scalesNum values

("A# minor",11,1,2,4,6,7,9,11);

insert into scalesNum values

("C# major",2,4,6,7,9,11,1,2);

insert into scalesNum values

("D# major",4,6,8,9,11,1,3,4);

insert into scalesNum values

("F# major",7,9,11,12,2,4,6,7);

insert into scalesNum values

("G# major",9,11,1,2,4,6,8,9);

insert into scalesNum values

("A# major",11,1,3,4,6,8,10,11);

insert into scalesNum values

("Db minor",2,4,5,7,9,10,12,2);

insert into scalesNum values

("Eb minor",4,6,7,9,11,12,2,4);

insert into scalesNum values

("Gb minor",7,9,10,12,2,3,5,7);

insert into scalesNum values

("Ab minor",9,11,12,2,4,5,7,9);

insert into scalesNum values

("Bb minor",11,1,2,4,6,7,9,11);

create table gchords

(ChordName varchar(7) primary key,

one int(2),

two int(2) ,

three int(2),

four int(2) ,

five int(2) ,

six int(2) ,

outone char(1),

outtwo char(1),

outthree char(1),

outfour char(1) ,

outfive char(1) ,

outsix char(1) ,

fretnum varchar(1));

insert into gchords values

("Ab ",1,3,3,2,1,1,"","","","","","","4");

insert into gchords values

("Ab m",1,3,3,1,1,1,"","","","","","","4");

insert into gchords values

("Ab 6",4,3,1,1,1,1,"","","","","","","");

insert into gchords values

("Ab 7",0,0,1,1,1,2,"X","X","","","","","");

insert into gchords values

("Ab 9",0,0,1,3,1,2,"X","X","","","","","");

insert into gchords values

("Ab m6",0,0,0,4,4,4,"X","X","X","","","","");

insert into gchords values

("Ab m7",0,0,1,1,0,2,"X","X","","","O","","");

insert into gchords values

("Ab maj7",0,0,1,1,1,3,"X","X","","","","","");

insert into gchords values

("Ab dim",0,0,0,1,0,1,"X","X","O","","O","","");

insert into gchords values

("Ab +",0,0,2,1,1,0,"X","X","","","","O","");

insert into gchords values

("Ab sus",0,0,1,1,2,4,"X","X","","","","","");

insert into gchords values

("A ",0,0,2,2,2,0,"X","O","","","","O","");

insert into gchords values

("A m",0,0,2,2,1,0,"X","O","","","","O","");

insert into gchords values

("A 6",0,0,2,2,2,2,"X","O","","","","","");

insert into gchords values

("A 7",0,0,2,2,2,3,"X","O","","","","","");

insert into gchords values

("A 9",0,0,2,4,2,3,"X","O","","","","","");

insert into gchords values

("A m6",0,0,2,2,1,2,"X","O","","","","","");

insert into gchords values

("A m7",0,0,2,2,1,3,"X","O","","","","","");

insert into gchords values

("A maj7",0,0,2,1,2,0,"X","O","","","","O","");

insert into gchords values

("A dim",0,0,1,2,1,2,"X","X","","","","","");

insert into gchords values

("A +",0,0,3,2,2,1,"X","O","","","","","");

insert into gchords values

("A sus",0,0,1,1,2,4,"X","X","","","","","");

insert into gchords values

("Bb ",0,1,3,3,3,1,"X","","","","","","");

insert into gchords values

("Bb m",0,1,3,3,2,1,"X","","","","","","");

insert into gchords values

("Bb 6",1,1,3,3,3,3,"","","","","","","");

insert into gchords values

("Bb 7",0,0,1,1,1,2,"X","X","","","","","3");

insert into gchords values

("Bb 9",1,1,3,1,1,1,"","","","","","","3");

insert into gchords values

("Bb m6",0,0,3,3,2,3,"X","X","","","","","");

insert into gchords values

("Bb m7",0,0,3,3,2,4,"X","X","","","","","");

insert into gchords values

("Bb maj7",0,1,3,2,3,0,"X","","","","","X","");

insert into gchords values

("Bb dim",0,0,2,3,2,3,"X","X","","","","","");

insert into gchords values

("Bb +",0,0,0,3,3,2,"X","X","O","","","","");

insert into gchords values

("Bb sus",0,0,3,3,4,1,"X","X","","","","","");

insert into gchords values

("B ",0,2,4,4,4,2,"X","","","","","","");

insert into gchords values

("B m",0,2,4,4,3,2,"X","","","","","","");

insert into gchords values

("B 6",2,2,4,4,4,4,"","","","","","","");

insert into gchords values

("B 7",0,2,1,2,0,2,"X","","","","O","","");

insert into gchords values

("B 9",0,2,1,2,2,2,"X","","","","","","");

insert into gchords values

("B m6",0,0,4,4,3,4,"X","X","","","","","");

insert into gchords values

("B m7",0,1,3,1,2,1,"X","","","","","","2");

insert into gchords values

("B maj7",0,2,4,3,4,0,"X","","","","","X","");

insert into gchords values

("B dim",0,0,0,1,0,1,"X","X","O","","O","","");

insert into gchords values

("B +",0,0,3,2,2,1,"X","X","","","","","3");

insert into gchords values

("B sus",0,0,3,3,4,1,"X","X","","","","","2");

insert into gchords values

("C ",3,3,2,0,1,0,"","","","O","","O","");

insert into gchords values

("C m",0,1,3,3,2,1,"X","","","","","","3");

insert into gchords values

("C 6",0,0,2,2,1,3,"X","X","","","","","");

insert into gchords values

("C 7",0,3,2,3,1,0,"X","","","","","O","");

insert into gchords values

("C 9",0,3,2,3,3,3,"X","","","","","","");

insert into gchords values

("C m6",0,0,1,2,1,3,"X","X","","","","","");

insert into gchords values

("C m7",0,0,1,3,1,3,"X","X","","","","","");

insert into gchords values

("C maj7",0,3,2,0,0,0,"X","","","O","O","O","");

insert into gchords values

("C dim",0,0,1,2,1,2,"X","X","","","","","");

insert into gchords values

("C +",0,0,2,1,1,0,"X","X","","","","O","");

insert into gchords values

("C sus",0,0,3,0,1,3,"X","X","","O","","","");

insert into gchords values

("Db ",0,0,3,1,2,1,"X","X","","","","","");

insert into gchords values

("Db m",0,0,2,1,2,0,"X","X","","","","O","");

insert into gchords values

("Db 6",0,0,3,3,2,4,"X","X","","","","","");

insert into gchords values

("Db 7",0,0,3,4,2,4,"X","X","","","","","");

insert into gchords values

("Db 9",0,4,3,4,4,4,"X","","","","","","");

insert into gchords values

("Db m6",0,0,2,3,2,4,"X","X","","","","","");

insert into gchords values

("Db m7",0,0,2,4,2,4,"X","X","","","","","");

insert into gchords values

("Db maj7",0,4,3,1,1,1,"X","","","","","","");

insert into gchords values

("Db dim",0,0,2,3,2,3,"X","X","","","","","");

insert into gchords values

("Db +",0,0,3,2,2,1,"X","X","","","","","");

insert into gchords values

("Db sus",0,0,3,3,4,1,"X","X","","","","","");

insert into gchords values

("D ",0,0,0,2,3,2,"X","X","O","","","","");

insert into gchords values

("D m",0,0,0,2,3,1,"X","X","O","","","","");

insert into gchords values

("D 6",0,0,0,2,0,2,"X","O","O","","O","","");

insert into gchords values

("D 7",0,0,0,2,1,2,"X","X","O","","","","");

insert into gchords values

("D 9",2,0,0,2,1,0,"","O","O","","","O","");

insert into gchords values

("D m6",0,0,0,2,0,1,"X","X","O","","O","","");

insert into gchords values

("D m7",0,0,0,2,1,1,"X","X","O","","","","");

insert into gchords values

("D maj7",0,0,0,2,2,2,"X","X","O","","","","");

insert into gchords values

("D dim",0,0,0,1,0,1,"X","X","O","","O","","");

insert into gchords values

("D +",0,0,0,3,3,2,"X","X","O","","","","");

insert into gchords values

("D sus",0,0,0,2,3,3,"X","X","O","","","","");

insert into gchords values

("Eb ",0,0,3,1,2,1,"X","X","","","","","3");

insert into gchords values

("Eb m",0,0,4,3,4,2,"X","X","","","","","");

insert into gchords values

("Eb 6",0,0,1,3,1,3,"X","X","","","","","");

insert into gchords values

("Eb 7",0,0,1,3,2,3,"X","X","","","","","");

insert into gchords values

("Eb 9",1,1,1,3,2,1,"","","","","","","");

insert into gchords values

("Eb m6",0,0,1,3,1,2,"X","X","","","","","");

insert into gchords values

("Eb m7",0,0,1,3,2,2,"X","X","","","","","");

insert into gchords values

("Eb maj7",0,0,1,3,3,3,"X","X","","","","","");

insert into gchords values

("Eb dim",0,0,1,2,1,2,"X","X","","","","","");

insert into gchords values

("Eb +",0,0,1,0,0,3,"X","X","","O","O","","");

insert into gchords values

("Eb sus",0,0,1,3,4,4,"X","X","","","","","");

insert into gchords values

("E ",0,2,2,1,0,0,"O","","","","O","O","");

insert into gchords values

("E m",0,2,2,0,0,0,"O","","","O","O","O","");

insert into gchords values

("E 6",0,2,2,1,2,0,"O","","","","","O","");

insert into gchords values

("E 7",0,2,2,1,3,0,"O","","","","","O","");

insert into gchords values

("E 9",0,2,0,1,0,2,"O","","O","","O","","");

insert into gchords values

("E m6",0,2,2,0,2,0,"O","","","O","","O","");

insert into gchords values

("E m7",0,2,0,0,0,0,"O","","O","O","O","O","");

insert into gchords values

("E maj7",0,2,1,1,0,0,"O","","","","O","O","");

insert into gchords values

("E dim",0,0,2,3,2,3,"X","X","","","","","");

insert into gchords values

("E +",0,0,2,1,1,0,"X","X","","","","O","");

insert into gchords values

("E sus",0,2,2,2,0,0,"O","","","","O","O","");

insert into gchords values

("F ",1,3,3,2,1,1,"","","","","","","");

insert into gchords values

("F m",1,3,3,1,1,1,"","","","","","","");

insert into gchords values

("F 6",0,0,0,2,1,1,"X","X","O","","","","");

insert into gchords values

("F 7",1,3,1,2,1,1,"","","","","","","");

insert into gchords values

("F 9",0,0,3,2,4,3,"X","X","","","","","");

insert into gchords values

("F m6",0,0,0,1,1,1,"X","X","O","","","","");

insert into gchords values

("F m7",1,3,1,1,1,1,"","","","","","","");

insert into gchords values

("F maj7",0,0,3,2,1,0,"X","X","","","","O","");

insert into gchords values

("F dim",0,0,0,1,0,1,"X","X","O","","O","","");

insert into gchords values

("F +",0,0,3,2,2,1,"X","X","","","","","");

insert into gchords values

("F sus",0,0,3,3,1,1,"X","X","","","","","");

insert into gchords values

("Gb ",2,4,4,3,2,2,"","","","","","","");

insert into gchords values

("Gb m",2,4,4,2,2,2,"","","","","","","");

insert into gchords values

("Gb 6",0,4,4,3,4,0,"X","","","","","X","");

insert into gchords values

("Gb 7",0,0,4,3,2,0,"X","X","","","","O","");

insert into gchords values

("Gb 9",0,0,2,1,3,2,"X","X","","","","","3");

insert into gchords values

("Gb m6",0,0,1,2,2,2,"X","X","","","","","");

insert into gchords values

("Gb m7",0,0,2,2,2,2,"X","X","","","","","");

insert into gchords values

("Gb maj7",0,0,4,3,2,1,"X","X","","","","","");

insert into gchords values

("Gb dim",0,0,1,2,1,2,"X","X","","","","","");

insert into gchords values

("Gb +",0,0,4,3,3,2,"X","X","","","","","");

insert into gchords values

("Gb sus",0,0,4,4,2,2,"X","X","","","","","");

insert into gchords values

("G ",3,2,0,0,0,3,"","","O","O","O",""," ");

insert into gchords values

("G m",1,3,3,1,1,1,"","","","","","","3");

insert into gchords values

("G 6",3,2,0,0,0,0,"","","O","O","O","O","");

insert into gchords values

("G 7",3,2,0,0,0,1,"","","O","O","O","","");

insert into gchords values

("G 9",3,0,0,2,0,1,"","O","O","","O","","");

insert into gchords values

("G m6",0,0,2,3,3,3,"X","X","","","","","");

insert into gchords values

("G m7",1,3,1,1,1,1,"","","","","","","3");

insert into gchords values

("G maj7",0,0,4,3,2,1,"X","X","","","","","2");

insert into gchords values

("G dim",0,0,2,3,2,3,"X","X","","","","","");

insert into gchords values

("G +",0,0,1,0,0,3,"X","X","","O","O","","");

insert into gchords values

("G sus",0,0,0,0,1,3,"X","X","O","O","","","");