**public** **abstract** **class** Instrument {

**private** String play;

**public** Instrument(String play) {

**this**.play = play;

}

**public** String getPlay() {

**return** play;

}

**public** **void** play()

{

System.***out***.println("This instrument is "+play);

}

}

**public** **class** StringedInstrument **extends** Instrument {

**private** **int** noOfStrings;

**public** StringedInstrument(String play, **int** noOfStrings) {

**super**(play);

**this**.noOfStrings = noOfStrings;

}

@Override

**public** **void** play() {

// **TODO** Auto-generated method stub

System.***out***.println("Abstract Class:");

**super**.play();

System.***out***.println("Implemented Class:");

System.***out***.println("This is instrument is "+**super**.getPlay()+" & having no of strings are "+ noOfStrings);

}

}

**public** **class** ElectrictGuitar {

**public** **static** **void** main(String[] args) {

StringedInstrument obj1=**new** StringedInstrument("ElectricGuitar",10);

obj1.play();

}

}

Output:

Abstract Class:

This instrument is ElectricGuitar

Implemented Class:

This is instrument is ElectricGuitar & having no of strings are 10

**public** **class** ElectricBassGuitar {

**public** **static** **void** main(String[] args) {

StringedInstrument obj1=**new** StringedInstrument("ElectricBassGuitar",20);

obj1.play();

}

}

Output:

Abstract Class:

This instrument is ElectricGuitar

Implemented Class:

This is instrument is ElectricBassGuitar & having no of strings are 20