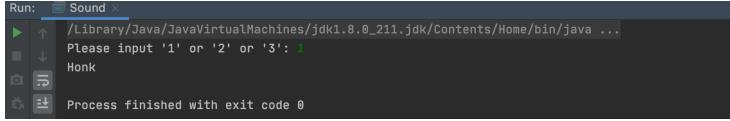
```
package birds;
public abstract class Bird {public abstract void chirp();}
package birds;
public class Goose extends Bird {
    @Override
    public void chirp() {System.out.println("Honk");}
                  _ ___ ___ __ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___
package birds;
public class Mallard extends Bird {
    @Override
    public void chirp() {System.out.println("Quack");}
}
package birds;
public class Crow extends Bird {
    @Override
    public void chirp() {System.out.println("Chirp");}
package birds;
import java.util.Scanner;
public class Sound {
    public static void main(String[] args) {
        Bird bird = null;
        try(Scanner scanner = new Scanner(System.in)){
            System.out.print("Please input '1' or '2' or '3': ");
            int input = scanner.nextInt();
            if (input == 1){
                bird = new Goose();
            else if (input == 2){
                bird = new Mallard();
            else if (input == 3){
                bird = new Crow();
            bird.chirp();
       }
    }
}
```



```
Run: Sound ×

/Library/Java/JavaVirtualMachines/jdk1.8.0_211.jdk/Contents/Home/bin/java ...

Please input '1' or '2' or '3': 2

Quack

Process finished with exit code 0
```

The output is "Chirp".

```
Homework2 - Sound.java
Homework2 > src > birds > © Sound > m main
                ⊕ 🛨 🗢
                              © Sound.java
   ■ Project ▼
    Homework2 ~/Documents/
                                    package birds;
    ▶ ■ .idea
    ▶ ■ out
                                    import java.util.Scanner;
     ▼ Isrc

■ Z: Structure

       ▼ bank
                                    public class Sound {
            🚣 Account.java
                                        public static void main(String[] args) {
            🚣 Calculation.java
           📇 SavingsAccount.jav
                                             Bird bird = null;
       ▼ birds
           (C) Bird
                                             try(Scanner scanner = new Scanner(System.in)){
            Crow
                                                 System.out.print("Please input '1' or '2' or '3': ");
            G Goose
                                                 int input = scanner.nextInt();
            Mallard
                                                 if (input == 1){
            Sound
                                                     bird = new Goose();
       ▶ books
                                                 }else if (input == 2){
       ▶ insects
                                                     bird = new Mallard();
       ▼ I mortgage
                                                 }else if (input == 3){
            <del>4</del> Calculate.java
                                                     bird = new Crow();
           (c) FinancialCalculator
            MortgageCalculator
                                                 bird.chirp();
         CompilationError.java
         ReadFromConsole
         Reverse
       Homework2.iml
   Run:
           Sound
           /Library/Java/JavaVirtualMachines/jdk1.8.0_211.jdk/Contents/Home/bin/java ...
           Please input '1' or '2' or '3':
           Process finished with exit code 0
```

I have to implement the abstract method by overriding it in my child class which is abstract and has no implementation in the Bird class.

```
package birds;
public class Crow extends Bird {
    @Override
    public void chirp() {
        System.out.println("Chirp");
    }
}
```

