

Name: Abdullah Al Mamun Sagor

ID: IT22059

Example of Abstraction:

```
interface Animal {  
    void makeSound();  
    void eat();  
}
```

```
Class Dog implements Animal {  
    public void makeSound() {  
        System.out.println("Dog barks: woof woof");  
    }  
    public void eat() {  
        System.out.println("Dog eats bones.");  
    }  
}
```

```
Class cat implements Animal {  
    public void makeSound() {  
        System.out.println("Cat meows: Meow Meow!");  
    }  
}
```

```
    public void eat() {  
        System.out.println("Cat eats fish");  
    }  
}
```

```
public class abstraction {  
    public static void main (String [] args) {  
        Animal dog = new Dog();  
        Animal cat = new Cat();  
        dog.makeSound();  
        dog.eat();  
        cat.makeSound();  
        cat.eat();  
    }  
}
```