

BirthdaysBook.java

```
import java.util.HashSet;
import java.util.Iterator;

public class BirthdaysBook {

    private HashSet Birthdays;
    public BirthdaysBook(){
        Birthdays = new HashSet();
    }
    public boolean AddBirthdays(Birthday bday){
        if(Birthdays.isEmpty()){
            Birthdays.add(bday);
            return true;
        }
        else if(Birthdays.contains(bday)) {
            System.out.println("Entry already exists. Choose a different name!");
            return false;
        }
        else {
            Birthdays.add(bday);
            return true;
        }
    }
    public Date FindBirthdays(String name){
        Iterator it = Birthdays.iterator();
        while (it.hasNext()){
            Birthday bd = (Birthday) it.next();
            if (bd.getName().equalsIgnoreCase(name)) {
                return bd.getDate();
            }
        }
        System.out.println("Name not found in Database!");
        return (new Date(0,"",0));
    }
}
```