





















```

        Mammal animal = bad_farm.get(name);
        if (animal != null) {
            if (flag == SLEEP)
                animal.sleep();
            else
                animal.speak();
        } else
            System.out.println(name + " does not exist.");
    }

    private static void binary(HashMap<String, Mammal> bad_farm, Scanner s
, boolean flag) {
        System.out.println("What is the animal's name?");
        String animal1_s = s.nextLine();
        System.out.println("What is the " + (flag == MATE ? "mate" : "prey
") + "'s name?");
        String animal2_s = s.nextLine();
        Mammal animal1_m = bad_farm.get(animal1_s);
        Mammal animal2_m = bad_farm.get(animal2_s);
        if (animal1_m != null && animal2_m != null) {
            if ((flag == MATE ? animal1_m.mate(animal2_m) : animal1_m.eat(
animal2_m)) && (flag == EAT))
                bad_farm.remove(animal2_s);
        } else {
            if (animal1_m == null)
                System.out.println(animal1_s + " does not exist.");
            if (animal2_m == null)
                System.out.println(animal2_s + " does not exist.");
        }
    }

    private static void add(HashMap<String, Mammal> bad_farm, Scanner s) {
        System.out.println("What species is the animal? (Bull, Lion, Tiger
, Wolf)");
        String species = s.nextLine();
        System.out.println("'" + species + "'");
        System.out.println("What is this animal's name?");
        String name = s.nextLine();
        switch (species.strip().toLowerCase()) {
            case "bull":
                bad_farm.put(name, new Bull());
                break;
            case "lion":
                bad_farm.put(name, new Lion());
                break;
            case "tiger":
                bad_farm.put(name, new Tiger());
                break;
            case "wolf":
                bad_farm.put(name, new Wolf());

```

