

1.

```
import java.util.Scanner;
```

```
class BauerPassword{
```

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

```
        // Set the correct password.
```

```
        String password = "aardvark";
```

```
        Scanner input = new Scanner(System.in);
```

```
        System.out.println("What is the password?");
```

```
        // Save user input.
```

```
        String pass_try = input.nextLine();
```

```
        int counter = 1; //Counter for number of guesses.
```

```
        // Loop while checking if password is correct.
```

```
        while (!pass_try.equals(password)){
```

```
            counter++;
```

```
            System.out.println("Incorrect. Guess again.");
```

```
            pass_try = input.nextLine();
```

```
        }
```

```
        System.out.println("Correct! You got the password, and it took you " +  
counter + " guesses to get it correct.");
```

```
    }
```

```
}
```

2.

```
import java.util.Scanner;
```

```
class BauerUpDown{
```

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

```
        Scanner input = new Scanner(System.in);
```

```
        // Save user input.
```

```
        String str = input.nextLine();
```

```
        // Print from first letter to full word.
```

```
        for(int i=1; i<=str.length(); i++){
```

```
            System.out.println(str.substring(0,i));
```

```
        }
```

```
        // Print down to single letter.
```

```
        for(int i=str.length()-1; i>0; i--){
```

```
            System.out.println(str.substring(0,i));
```

```
        }
```

```
    }
```

```
}
```

3.

```
import java.util.Scanner;
```

```
class BauerDoubles{
```

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

```
        Scanner input = new Scanner(System.in);
```

```
        // Save user input.
```

```
        String str = input.nextLine();
```

```
        String new_str = "";
```

```
        // Iterate over the input string.
```

```
        for(int i=0; i<str.length(); i++){
```

```
            new_str += str.charAt(i);
```

```
            // Duplicate if char is not '2'.
```

```
            if(str.charAt(i)!='2')
```

```
                new_str += str.charAt(i);
```

```
        }
```

```
        System.out.println(new_str);
```

```
    }
```

```
}
```