Select the appropriate methods from the `String` class using the API, for each of the following questions:

1. Write a program that will prompt the user to enter their full name as one `String`. The program should then print out their initials. Assume that the second initial is the character after the space in their full name.

```
Please enter your full name: David Bowie
Your initials are DB.
```

2. Write a program that will prompt the user to enter a string and two letters. The program will then replace each occurrence of the first letter ('i') in the `String` with the second letter ('x').

```
Please enter a string of text: Mississippi
Please enter letter to replace : i
Please enter replacement letter : x
The new string is Mxssxssxppx
```

3. The password to login is "open Sesame". Write a program that will ask the user to enter a password to login. If the password is correct display an appropriate message, if not, display an appropriate message and allow the user to re-enter the password.

4. Adapt this program so that the user is only allowed three attempts at entering the correct password.

5. Write a program that will ask the user to enter two `String`s. The program will then concatenate these `String`s together, and output the result. Use an appropriate method in your program.

6. Write a program that will ask the user to enter two `String`s. The program will then tell the user whether the first `String` contains the second `String`

```
Please enter the first String: I love java!
Please enter the second String: java
I love java! contains the text java
```