Worksheet 7

String Functions and a Simple IF statement

The Java if statement enables your Java programs to make decisions about what code to execute depending on the state of variables, or values returned from methods. Here is a simple Java if example:

```
boolean isValid = true;

if ( isValid ) {
    System.out.println("it is valid");
} else {
    System.out.println("it is not valid");
}
```

Create a program which allows the user to enter a 5-character word, e.g. catch.   Check first to ensure the word enter is 5 characters and if it is, display the word backwards.   If the word is not 5 characters display the error message, *"Error: not a 5 letter word"*

Make your program output EXACTLY as shown in the sample session below.

Sample Session

```
Enter a 5 letter word (e.g. catch) > catch
You entered catch
the word reversed is: hctac

Enter a 5 letter word (e.g. catch) > fs
You entered fs
Error: not a 5 letter word
```

Note: You'll need the not equal operator within your IF statement condition,   it is, **!=**