```java
String Class
Paired Programming Activity
public class StringFuncts {

	// 1.This method will return an email address in the form
	// first.last@ww-p.org
	// getEmail("Mister", "Scarpitta") ====> Mister.Scarpitta@ww-p.org
	public static String getEmail(String first, String last) {
			}

	// 2. This method will return initials with periods.
	// getInitials("Mister", "Scarpitta") ====> M.S.
	public static String getInitials(String first, String last) {
			}

	// 3. This method will parse the year from a birthdate
	// in the form MMDDYYYY
	// getYear("01021916) ====> 1916
	public static String getYear(String bday) {
			}

	// 4. This method will return a lower case
	// user name in the form of first 3 letters of first name and
	// last 4 letters of last name.
	// getUserName("Mister", "Scarpitta") ====> misitta
	public static String getUserName(String first, String last) {

	}

	// 5. This method will parse the first name from a full name separated with
	// a space
	// getFirst("Mister Scarpitta") ====> Mister
	public static String getFirst(String fullName) {

	}

	// 6. This method will parse the last name from a full name separated with a
	// space
	// getLast("Mister Scarpitta") ====> Scarpitta
	public static String getLast(String fullName) {

	}

	// 7. This will return a random 4 letter string of letters
	// getRandomWord() ====> CDRT
	public static String getRandomWord() {

	}

	// 8. This will return a new word of every other letter
	// everyOtherLetter("PIRATES") ====> PRTS
	public static String everyOtherLetter(String word) {

	}

	// 9. This will return a new word that is the reverse.
	// reverse("PIRATES ") ====> SETARIP
	public static String reverse(String word) {

	}
```

```java
        // 10. This will return true if the sum of the first digit and the last
        // digit is divisible by 5.
        // checkDigit("123456789") ====> TRUE
        // checkDigit("12345543211") ====> FALSE
        // checkDigit("87878787") ====> TRUE
        public static Boolean checkDigit(String creditCard) {
        }

        // 11. This will return a string where every other letter is capitalized
        // everyOtherLetterCaps("misterscarpitta") ====> mIsTeRsCaRpItIa
        public static String everyOtherLetterCaps(String word) {
        }

        // 12. This will return a string where every i is replaced with an 8
        // replacesIsWith8s("WilliamScarpitta") ====> W8ll8amScarp8tta
        public static String replaceIsWith8s(String word){
        }

        public static void main(String[] args) {
            // TODO Auto-generated method stub
            System.out.println("1. Email: " + getEmail("Mister", "Scarpitta"));
            System.out.println("2. Initials: " + getInitials("Mister", "Scarpitta"));
            System.out.println("3. Year: " + getYear("01021916"));
            System.out.println("4. UserName: " + getUserName("Mister", "Scarpitta"));
            System.out.println("5. FirstName: " + getFirst("Mister Scarpitta"));
            System.out.println("6. LastName: " + getLast("Mister Scarpitta"));
            System.out.println("7. RandomWord: " + getRandomWord());
            System.out.println("8. EveryOtherLetter: " + everyOtherLetter("encyclopedias"));
            System.out.println("9A. Reverse: " + reverse("Philadelphia"));
            System.out.println("9B. Reverse: " + reverse("JAVA"));
            System.out.println("10A. CheckDigit: " + checkDigit("123456"));
            System.out.println("10B. CheckDigit: " + checkDigit("123456789"));
            System.out.println("11. EveryOtherCaps: "+ everyOtherLetterCaps("misterscarpitta"));
            System.out.println("12. Replaces I's with 8's: " + replaceIsWith8s("WilliamScarpitta"));
        }
}
```

OUTPUT

```
1. Email: Mister.Scarpitta@ww-p.org
2. Initials: M.S.
3. Year: 1916
4. UserName: misitta
5. FirstName: Mister
6. LastName: Scarpitta
7. RandomWord: MOCQ
8. EveryOtherLetter: eccoeis
9A. Reverse: aihpledalihP
9B. Reverse: AVAJ
10A. CheckDigit: false
10B. CheckDigit: true
11. EveryOtherCaps: mIsTeRsCaRpItIa
12. Replaces I's with 8's: W8ll8amScarp8tta
```