2)

```
package task1;
import java.util.Scanner;
public class Palidrome {
	public static void main(String []args) {
	Scanner scanner = new Scanner(System.in);
	System.out.println("Enter the string you want to check: ");
	String input= scanner.nextLine();
		scanner.close();

		if (palindrome(input)) {
		    System.out.println("The string is a palindrome.");
		} else {
		    System.out.println("The string is not a palindrome.");
		}
	    }

	    public static boolean palindrome(String str) {
		str = str.toLowerCase();
		int left = 0;
		int right = str.length() - 1;

		while (left < right) {
		    if (str.charAt(left) != str.charAt(right)) {
		        return false;
		    }
		    left++;
		    right--;
		}

		return true;
	    }
	}
```

Output:

Enter the string you want to check:

hop
The string is not a palindrome.

3)

```
package task1;

public class Same {

	public static void main(String[] args) {
		String str1 = "hello";
		String str2 = "world";

		boolean equal = areStringsEqual(str1, str2);

		if (equal) {
			System.out.println("The strings are equal.");
		} else {
			System.out.println("The strings are not equal.");
		}
	}

	public static boolean areStringsEqual(String str1, String
str2) {
		if (str1.length() != str2.length()) {
			return false;
		}

		for (int i = 0; i < str1.length(); i++) {
			if (str1.charAt(i) != str2.charAt(i)) {
				return false;
			}
		}

		return true;
	}
}
```

Output:

The strings are not equal.

1)

```
package task1;
public class Equal1 {
   public static void main(String[] args) {
        String str = "abcdjklef";

      int len = str.length();

      int n = 3;
      int temp = 0, chars = len/n;

      String[] equalStr = new String [n];
      if(len % n != 0) {
         System.out.println("Sorry this string cannot be divided into "+
n +" equal parts.");
      }
      else {
         for(int i = 0; i < len; i = i+chars) {

            String part = str.substring(i, i+chars);
            equalStr[temp] = part;
            temp++;
         }
   System.out.println(n + " equal parts of given string are ");
         for(int i = 0; i < equalStr.length; i++) {
            System.out.println(equalStr[i]);
            }
         }
      }
```

```
}
```

Output:

```
3 equal parts of given string are
abc
djk
lef
```