```java
1.public class CheckString {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the string 1: "); //taking input from user
        String str1 = sc.nextLine();
        System.out.println("Enter the string 2: "); //taking input from user
        String str2 = sc.nextLine();

        //comparing string
        if(str1.equals(str2)) {
            System.out.println("Str1 is equal to str2");
        }
        else {
            System.out.println("str1 is not equal to str2");
        }
    }
}
```

Output:
Enter the string 1:
akshu
Enter the string 2:
pawan
str1 is not equal to str2

```java
2.public class IgnoreCases {
    public static void main(String[] args) {
        String str1 = "akanksha";
        String str2 = "AkanksHa";
        String str3 = "AKANKHSA";

        boolean result = str2.equalsIgnoreCase(str3);

        System.out.println("Str2 id equale to str1"+ result);

        boolean result2 = str2.equalsIgnoreCase(str3);
        System.out.println("str2 is equal to str3"+result2);
    }
}
```

Output:
Str2 id equale to str1false
str2 is equal to str3false

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

public class StringToArray {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
```

```java
            System.out.println("Entre string here: ");
            String str = sc.nextLine();

            char[] ch = str.toCharArray();

            System.out.println(ch);

        }
}
```

Output:
Entre string here:
akshu
akshu

```java
4.import java.util.*;

public class RemoveCharacter{
    static String removeDuplicate(char str[], int n)
    {
        int index = 0;

        for (int i = 0; i < n; i++)
        {
            int j;
            for (j = 0; j < i; j++)
            {
                if (str[i] == str[j])
                {
                    break;
                }
            }

            if (j == i)
            {
                str[index++] = str[i];
            }
        }
        return String.valueOf(Arrays.copyOf(str, index));
    }

    public static void main(String[] args)
    {
        char str[] = "akanksha".toCharArray();
        int n = str.length;
        System.out.println(removeDuplicate(str, n));
    }
}
```

Output:

aknsh

```java
5.public class MaxChar {

    static final int size = 256;
    static char getMax(String str)
    {
        int count[] = new int[size];

        int len = str.length();
        for (int i=0; i<len; i++)
            count[str.charAt(i)]++;

        int max = -1;
        char result = ' ';

        for (int i = 0; i < len; i++) {
            if (max < count[str.charAt(i)]) {
                max = count[str.charAt(i)];
                result = str.charAt(i);
            }
        }

        return result;
    }

    public static void main(String[] args)
    {
        String str = "akankshankshaiuhaisuc";
        System.out.println("Max occurring character is " +
                    getMax(str));
    }
}
```

Output:
Max occurring character is a

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

public class Positing {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter here: ");
        String str = sc.nextLine();

        int index1 = str.charAt(0);
        int index2 = str.charAt(10);

        System.out.println("the charater at 0 position is: "+(char)index1);
        System.out.println("the charater at 10 position is: "+(char)index2);
```

```
        }
}
```

Output:
Enter here:
abcdefghijk
the charater at 0 position is: a
the charater at 10 position is: k

7.class Compare {

```
    public static void main(String[] args) {
            String s1 = "akshu";
            StringBuffer sb1 = new StringBuffer("akshu");
            String s2 = sb1.toString();
            System.out.println(s1.equals(s2));
          }
      }
```

Output:
true

8.public class Concate {
```
    public static void main(String[] args) {
          String s1 = "akshu";
          String s2 = "shigvan";

          String str = s1 + s2;

          System.out.println("the concatinate is: "+str);
      }
}
```

Output:
the concatinate is: akshushigvan

9.public class SubString {

```
    public static void main(String[] args) {
          String str = "the quick brown fox jumps over the lazy dog";
          System.out.println(str.substring(10,26));


      }

}
```

Output:
brown fox jumps