1)package Assignment_15_12_2021;

```
import java.util.Scanner;

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 the user
 String str1 = sc.nextLine();
 System.out.println("Enter the string 2:");
 //taking input from the user
  String str2 = sc.nextLine();
  //comparing string
  if(str1.equals(str2)) {
   System.out.println("Str1 isequal to str2");

  }
  else {
   System.out.println("str1 is not equal to str2");
  }
}
}
```

output
Enter the string 1:
mayu
Enter the string 2:
maddy
str1 is not equal to str2

2)package Assignment_15_12_2021;

```
public class Ignorecases {
public static void main(String[]args)
{
 String str1 ="Mayuri";
 String str2 ="MAYURI";
 String str3 ="MayURI";
 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 str1true
str2 is equal to str3true

3)package Assignment_15_12_2021;

```
import java.util.*;

public class CharArray {
```

```
public static void main(String[]args)
{
 Scanner sc = new Scanner(System.in);
 System.out.println("Enter String:");
 String str=sc.nextLine();
 char[]ch = str.toCharArray();
 int len = ch.length;
 System.out.println("Character are:");
 for(int i=0;i<len;i++) {
  System.out.println(ch[i]);
 }
}
}
```

output
Enter String:
mayuri
Character are:
m
a
y
u
r
i

4)

```
package Assignment_15_12_2021;
import java.util.*;

public class Removeduplicate{
   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[] = "maddy".toCharArray();
```

```
        int n = str.length;
        System.out.println(removeDuplicate(str, n));
    }
}
```

output
mady

5)

```
package Assignment_15_12_2021;

public class MaxChar {

 static final int size = 256;
    static char getMaxOccuringChar(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;
    }
```

output
Max occurring character is M

6)

```
package Assignment_15_12_2021;

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:
qwertyuioplkjhgf
the charater at 0 position is: q
the charater at 10 position is: l

7)package Assignment_15_12_2021;

```
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(10,20));
}
}
```

output
brown fox

8)package Assignment_15_12_2021;

```
public class convertintolowercase {
 public static void main(String[]args) {
String str ="The Quick brown Fox jumps over the Lazy dog";
System.out.println(str.toLowerCase());
 }
}
```

output
the quick brown fox jumps over the lazy dog

9)package Assignment_15_12_2021;

```
public class Concate {
 public static void main(String[] args) {
  String s1 = "Mayu";
  String s2 = "tambe";

  String str = s1 + s2;

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

output
the concatinate is: Mayutambe

10)package Assignment_15_12_2021;

```
class compare {

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

```
    }
}
```

output
true