SCALA PROGRAMMING

LAB WORK

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Program 1

Write a Scala program to exchange the first and last characters in a given string and return the new string.
Code

```scala
1  object scala_basic {
2    def test(str1: String): String = {
3      val len = str1.length
4      if (len <= 1) str1
5      else
6      str1.charAt(len - 1) + str1.substring(1, len - 1) + str1.charAt(0)
7    }
8    def main(args: Array[String]): Unit = {
9      println("Result: " + test("Scala"));
10     println("Result: " + test("abcd"));
11     println("Result: " + test("ab"));
12     println("Result: " + test("a"));
13   }
14 }
```

Output

```
Output:

Result: acalS
Result: dbca
Result: ba
Result: a
```

Program 2

Write a Scala program to remove the character in a given position of a given string. The given position will be in the range 0...string length -1 inclusive.

Code

```scala
1  object scala_basic {
2    def test(str: String, n: Int): String = {
3      str.take(n) + str.drop(n + 1)
4    }
5    def main(args: Array[String]): Unit = {
6      println("Result: " + test("Scala", 1));
7      println("Result: " + test("Scala", 0));
8      println("Result: " + test("Scala", 4));
9    }
10 }
```

Output

```
Output:

Result: Sala
Result: cala
Result: Scal
```