

The screenshot shows the 'Project' tool window in IntelliJ IDEA. The project is named 'scala_project' and is located at '~/IdeaProjects/scala_project'. The project structure is as follows:

- > .bsp
- > .idea
- > project [scala_project-build] sources root
- > src
- > target
- build.sbt
- > External Libraries
- > Scratches and Consoles

main.scala

Run  main ✕

SPscala_projectVersion control

Project

scala_project~/IdeaProjects/scala_project

> .bsp

> .idea

> project [scala_project-build]sources root

> src

> target

build.sbt

External Libraries

Scratches and Consoles

main.scala

82def mergeSort(arr: Array[Int],dummy:Int): Unit = {

114def sort(start: Int, end: Int): Unit = {

118sort(mid + 1, end)

119merge(start, mid, end)

120}

121}

122

123sort(0, arr.length - 1)

124arr.foreach(println)

125}

126

127// Radix Sort

128def radixSort(arr: Array[Int],dummy:Int): Unit = {

129def countingSort(exp: Int): Unit = {

130val n = arr.length

131val output = Array.fill(n)(0)

132val count = Array.fill(10)(0)

133

134for (i <- 0 until n) {

135count((arr(i) / exp) % 10) += 1

136}

137

138for (i <- 1 until 10) {

139count(i) += count(i - 1)

140}

141

142for (i <- n - 1 to 0 by -1) {

radixSort(...)

Runmain

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/Users/manishawasthi/Library/Java/JavaVirtualMachines/openjdk-22.0.1/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA.app/Contents/lib/idea_rt.jar=49863:/Applications/IntelliJ IDEA.app/Content

Please enter the algorithm typeinsertionsort

Please enter the array elements5 7 6 3 1

1

3

5

6

7

Process finished with exit code 0

scala_project > src > main > scala > main.scala

[T]159:2 LF UTF-8 2 spaces

