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data class Profile(val name: String, val title: String, val bio: String)

fun renderAvatar(width: Int, height: Int): String {
    val result = StringBuilder()
    for (i in 0 until height) {
        if (i == height / 2) {
            val text = "Avatar"
            val padding = (width - text.length) / 2
            result.append(" ".repeat(padding) + text + " ".repeat(width - padding - text.length))
        } else {
            result.append(" ".repeat(width))
        }
        result.append("\n")
    }
    return result.toString()
}

fun renderTextBlock(label: String, text: String, width: Int): String {
    val content = "$label: $text"
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    val trimmed = if (content.length > width) content.substring(0, width) else content
    return trimmed + " ".repeat(width - trimmed.length) + "\n"
}
fun renderProfile(profile: Profile, width: Int = 30, showAvatar: Boolean = true): String {
    val border = "+" + "-".repeat(width) + "+\n"
    val result = StringBuilder()
    result.append(border)
    if (showAvatar) {
        val avatar = renderAvatar(width, 3).lines()
        for (line in avatar) {
            if (line.isNotEmpty())
                result.append("|$line|\n")
        }
    }
    result.append("|" + renderTextBlock("Name", profile.name, width).trimEnd() + "|\n")
    result.append("|" + renderTextBlock("Title", profile.title, width).trimEnd() + "|\n")
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    result.append("|" + renderTextBlock("Bio", profile.bio, width).trimEnd() + "|\n")

    result.append(border)

    return result.toString()
}

fun main() {
    val p1 = Profile("Ada Lovelace", "Software Dev", "Early computing pioneer")
    val p2 = Profile("Alan Turing", "Mathematician", "Father of AI")
    val p3 = Profile("Grace Hopper", "Computer Scientist", "COBOL inventor")

    println(renderProfile(p1, 30, true))
    println(renderProfile(p2, 30, false))
    println(renderProfile(p3, 30, true))
}
```