// Custom exception for invalid voting age

class InvalidVotingException(message: String) : Exception(message)

fun main() {

try {

// Step 1: Read user input for age

println("Enter your age:")

val ageStr = readLine() ?: throw IllegalArgumentException("Invalid input")

// Step 2: Convert input string to an integer

val age = ageStr.toInt()

// Step 3: Check for invalid age and throw exception

checkVotingEligibility(age)

// Step 4: Display eligibility message

println("You are eligible to vote!")

} catch (e: NumberFormatException) {

println("Invalid age format. Please enter a valid numeric age.")

} catch (e: IllegalArgumentException) {

println("Error: $e")

} catch (e: InvalidVotingException) {

println("Error: $e")

}

}

// Function to check voting eligibility and throw an exception if invalid

fun checkVotingEligibility(age: Int) {

val legalVotingAge = 18

if (age < legalVotingAge) {

throw InvalidVotingException("You must be at least $legalVotingAge years old to vote.")

}

}