

```

import org.jetbrains.kotlin.gradle.tasks.KotlinCompile
plugins {
    kotlin("jvm") version "1.8.10" // Use latest stable Kotlin version
    application
}
group = "org.example"
version = "1.0-SNAPSHOT"
repositories {
    mavenCentral()
}

dependencies {
    implementation(kotlin("stdlib")) // Kotlin Standard Library
    testImplementation("org.junit.jupiter:junit-jupiter-api:5.8.2")

    testRuntimeOnly("org.junit.jupiter:junit-jupiter-engine:5.8.2")
}

tasks.test {
    useJUnitPlatform()
}

tasks.withType<
    KotlinCompile> {
        kotlinOptions.jvmTarget = "17" // Match with your JDK version
    }
tasks.register<Jar>("fatJar") {
    archiveClassifier.set("all")
    duplicatesStrategy = DuplicatesStrategy.EXCLUDE
    manifest {
        attributes["Main-Class"] = "MainKt"
    }
    from(configurations.runtimeClasspath.get().map { if (it.isDirectory) it else zipTree(it) })
    with(tasks.jar.get() as CopySpec)
}
tasks.register("hello") {
    doLast {
        println("Hello, Usha!")
    }
}

application {

```

```
    mainClass.set("MainKt") // Update this if using a package  
}
```

command:

```
./gradlew build
```

```
./gradlew run
```

Main kt file:

```
fun main() {  
    println("Hello, Gradle with Kotlin DSL")  
}
```