

File Edit View Navigate Code Refactor Build Run Tools VCS Window Help Kotlin\_1 - Main.kt

Kotlin\_1 > src > main > kotlin > Main.kt

Project MainKt

```
1 fun main() {
2     println("Hello World!")
3 }
```

Run: MainKt x  
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.2.1\lib\idea\_rt.jar=52974  
Hello World!  
Process finished with exit code 0

Run TODO Problems Terminal Build

Build completed successfully in 11 sec, 191 ms (a minute ago)

Type here to search

The screenshot shows the IntelliJ IDEA interface with two tabs open: 'MainKt' in the top tab and 'Run' in the bottom tab.

**MainKt Tab:**

```
1 fun main() {  
2     println("Hello")  
3     println("Welcome")  
4     println("Kotlinlinear")  
5 }
```

**Run Tab:**

Run configuration: MainKt

```
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2019.3.3\lib\idea_rt.jar" -Dfile.encoding=UTF-8
```

Output:

```
Hello  
Welcome  
Kotlinlinear
```

Process finished with exit code 0

Toolbars and panels visible on the left include: Favorites, Structure, and Run.

Project

Main.kt

```
1 fun main() {
2     val int = 9
3     val flt = 25.3
4     val bool = true
5     val char = 'A'
6     val str = "Hey"
7     val myArr = arrayOf("Hello", "Guys")
8     val arrLen = myArr.size
9     println(int)
10    println(flt)
11    println(bool)
12    println(char)
13    println(str)
14    var i = 0
15    while(i<arrLen){
16        println(myArr[i])
17        i++
18    }
19 }
```

Run: MainKt

```
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA
```

9  
25.3  
true  
A  
Hey  
Hello  
Guys

Kotlin\_1 > src > main > kotlin > Main.kt

Project Main.kt

```
1 ► fun main() {
2     val str1 = "Hello,"
3     val str2 = " How are you"
4     val str3 = str1 + str2
5     print(str3)
6 }
```

Run: MainKt

```
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Comm
Hello, How are you
Process finished with exit code 0
```

Properties Structure

The screenshot shows an IDE interface with a dark theme. The top menu bar includes File, Edit, View, Navigate, Code, Refactor, Build, Run, Tools, VCS, Window, Help, and the current file, Kotlin\_1 - Main.kt. The left sidebar has a Project view with 'Main.kt' selected. The main code editor displays the following Kotlin code:

```
1 fun main() {
2     val x = 20
3     var y = 17
4     x += 10
5     y = 6
6     println(x)
7     println(y)
8 }
```

The code contains two errors: 'x += 10' is marked with a red squiggle under 'x', and 'y = 6' is marked with a red squiggle under 'y'. The bottom-left panel, 'Build: Build Output', shows a failure message:

- Kotlin\_1: build failed At 15-09-2021 17:01 with 1 error
- Main.kt src\main\kotlin 1 error

A detailed error message is shown on the right:

C:\Users\RIFAH A KHAN\IdeaProjects\Kotlin\_1\src\main\kotlin>Main.kt:4  
Kotlin: Val cannot be reassigned

The bottom navigation bar includes Run, TODO, Problems, Terminal, and Build.

Kotlin\_1 > src > main > kotlin > Main.kt

Main.kt

```
1 fun main() {
2     var x = 20
3     var y = 17
4     x += 10
5     y = 6
6     println(x)
7     println(y)
8 }
```

I

Run: MainKt

```
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition
```

30  
6

Process finished with exit code 0

Project

Structure

Favorites

Kotlin\_1 > src > main > kotlin > MainKt > main

Project MainKt

```
1 fun main() {
2     print("Enter the value of n: ")
3     val n = readLine()?.toInt()
4     var i = 1
5     if (n != null) {
6         while (i <= n) {
7             println(i)
8             i++
9         }
10    }
11 }
```

Run: MainKt

```
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition \lib\idea_rt.jar" -Dfile.encoding=UTF-8
Enter the value of n: 5
1
2
3
4
5

Process finished with exit code 0
```

Run TODO Problems Terminal Build

Kotlin\_1 src > main > kotlin > Main.kt > main

Main.kt

```
1 fun main() {
2     print("Enter the value of n: ")
3     val n = readLine()?.toInt()
4     var i = 1
5     var sum = 0
6     if(n != null){
7         while(i <= n){
8             sum = sum + i
9             i++
10        }
11    }
12    println(sum)
13 }
14 }
```

Run: MainKt

```
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.1.1\lib\idea_rt.jar" -Dfile.encoding=UTF-8
Enter the value of n: 4
10
Process finished with exit code 0
```

Run TODO Problems Terminal Build

Build completed successfully in 2 sec. 398 ms (a minute ago)

```
Main.kt
```

```
1 fun main() {
2     print("Enter the value of n: ")
3     val n = readLine()?.toInt()
4     var i = 1
5     var evenSum = 0
6     var oddSum = 0
7     if(n != null) {
8         while(i < n){
9             if(i % 2 == 0)
10                 {
11                     evenSum += i
12                 } else{
13                     oddSum += i
14                 }
15             i++
16         }
17         println("The sum of even numbers is: $evenSum")
18         println("The sum of odd numbers is: $oddSum")
19     }
}
```

```
Run: MainKt
```

```
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition
```

```
Enter the value of n: 10
The sum of even numbers is: 20
The sum of odd numbers is: 25
Process finished with exit code 0
```

File Edit View Navigate Code Refactor Build Run Tools VCS Window Help Kotlin\_1 - Main.kt  
Kotlin\_1 > src > main > kotlin > Main.kt > main

Project Main.kt

```
1 fun main() {
2     print("Enter the value of n: ")
3     val n = readLine()?.toInt()
4     var a = 2
5     var b = 1
6     if(n != null) {
7         while(b <= n){
8             println("$a x $b = ${a*b} ")
9             b++
10        }
11    }
12 }
```

Run: MainKt

```
"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.1.1\lib\idea_rt.jar" -Dfile.encoding=UTF-8
Enter the value of n: 5
2 x 1 = 2
2 x 2 = 4
2 x 3 = 6
2 x 4 = 8
2 x 5 = 10
```

```
Process finished with exit code 0
```

Structure Favorites

Run TODO Problems Terminal Build

Build completed successfully in 2 sec, 389 ms (moments ago)