# *Practical - Unit I*

**Q1. Write a Kotlin program to display your name and age entered by the user.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter your name: Mahipal
Enter your age: 22
Your name is Mahipal and you are 22 years old.

Process finished with exit code 0
```

```kotlin
fun main() {

    print("Enter your name: ")
    val name = readlnOrNull() ?: ""

    print("Enter your age: ")
    val age = readlnOrNull()

    if (age != null) {
        println("Your name is $name and you are $age years old.")
    } else {
        println("Something Invalid.")
    }
}
```

## Q2. Write a Kotlin program to display a welcome message to the user.

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter your name: Mahipal
Welcome, Mahipal! We are glad to have you here.

Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter your name: ")
    val name = readlnOrNull() ?: ""

    println("Welcome, $name! We are glad to have you here.")
}
```

## Q3. Write a Kotlin program to store your enrollment number, name & course in different variables and display on the screen.

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enrollment Details:
Enrollment Number: IU2453000077
Name: Mahipal Rajpurohit
Course: MCA

Process finished with exit code 0
```

```kotlin
fun main() {
    val enrollmentNumber = "IU2453000077"
    val name = "Mahipal Rajpurohit"
    val course = "MCA"

    println("Enrollment Details:")
    println("Enrollment Number: $enrollmentNumber")
    println("Name: $name")
    println("Course: $course")
}
```

**Q4. Write a Kotlin program to accept enrollment number, student name and marks of 5 subjects, from the user. Calculate the Total and Percentage and display all the details of the student on the screen.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter your enrollment number: IU2453000077
Enter your name: Mahipal
Enter marks for subject 1: 80
Enter marks for subject 2: 60
Enter marks for subject 3: 97
Enter marks for subject 4: 65
Enter marks for subject 5: 98

Student Details:
Enrollment Number: IU2453000077
Name: Mahipal
Marks: 80, 60, 97, 65, 98
Total: 400
Percentage: 80.00%

Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter your enrollment number: ")
    val enrollmentNumber = readln()


    print("Enter your name: ")
    val name = readln()

    val marks = IntArray(5)
    for (i in marks.indices) {
        print("Enter marks for subject ${i + 1}: ")
        marks[i] = readln().toInt()
    }

    val total = marks.sum()
    val percentage = total / 5.0

    println("\nStudent Details:")
    println("Enrollment Number: $enrollmentNumber")
    println("Name: $name")
    println("Marks: ${marks.joinToString(", ")}")
```

```
    println("Total: $total")
    println("Percentage: %.2f%%".format(percentage))}
```

## Q5. Write a Kotlin program to perform the arithmetic operation on 2 numbers accepted from the user.

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter the first number: 4
Enter the second number: 8
Sum: 12.0
Subtraction : -4.0
Multiplication : 32.0
Remainder: 4.0

Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter the first number: ")
    val num1 = readln().toDouble()

    print("Enter the second number: ")
    val num2 = readln().toDouble()

    println("Sum: ${num1 + num2}")
    println("Subtraction : ${num1 - num2}")
    println("Multiplication : ${num1 * num2}")
    println("Remainder: ${num1 % num2}")
}
```

**Q6. Write a Kotlin program to calculate and display the Simple Interest. Accept the input by the user.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter the principal amount: 80000
Enter the rate of interest (in %): 4
Enter the time (in years): 2

Simple Interest: 6400.0

Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter the principal amount: ")
    val principal = readln().toDouble()

    print("Enter the rate of interest (in %): ")
    val rate = readln().toDouble()

    print("Enter the time (in years): ")
    val time = readln().toDouble()

    val simpleInterest = (principal * rate * time) / 100

    println("\nSimple Interest: $simpleInterest")
}
```

**Q7. Write a Kotlin program to print the multiplication table of a number.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter a number: 5

Multiplication Table of 5:
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50

Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter a number: ")
    val number = readln().toInt()

    println("\nMultiplication Table of $number:")
    for (i in 1..10) {
        println("$number x $i = ${number * i}")
    }
}
```

**Q8. Write a Kotlin program to calculate the area of a cylinder. Accept the radius and height from the user. Area: πr2h.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter the radius of the cylinder: 6
Enter the height of the cylinder: 20

Area of the cylinder: 2261.946710584651

Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter the radius of the cylinder: ")
    val radius = readln().toDouble()

    print("Enter the height of the cylinder: ")
    val height = readln().toDouble()

    val area = Math.PI * radius * radius * height

    println("\nArea of the cylinder: $area")
}
```

**Q9. Write a Kotlin program to demonstrate the use of mutable and immutable variables in a program.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Name: Alice
Age: 25
Updated Age: 26

Process finished with exit code 0
```

```kotlin
fun main() {
    val name = "Alice"
    println("Name: $name")

    var age = 25
    println("Age: $age")

    age = 26
    println("Updated Age: $age")
}
```

**Q10. Write a Kotlin program to find even and odd numbers between a given range. Accept the range values from the user.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter the start of the range: 1
Enter the end of the range: 10

Even numbers between 1 and 10:
2
4
6
8
10

Odd numbers between 1 and 10:
1
3
5
7
9

Process finished with exit code 0
```
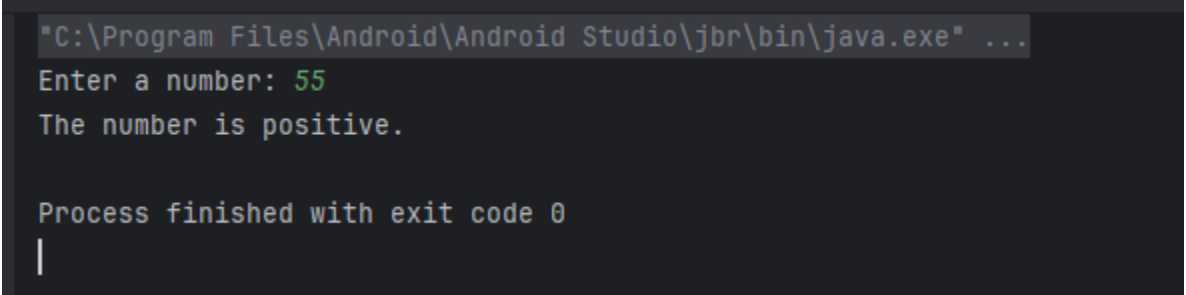
```kotlin
fun main() {

    print("Enter the start of the range: ")
    val start = readln().toInt()

    print("Enter the end of the range: ")
    val end = readln().toInt()

    println("\nEven numbers between $start and $end:")
    for (i in start..end) {
        if (i % 2 == 0) {
            println(i)
        }
    }

    println("\nOdd numbers between $start and $end:")
```

```
for (i in start..end) {
    if (i % 2 != 0) {
        println(i)   } } }
```

## Q11. Write a Kotlin program to accept a number from the user and check whether the number is positive, negative or zero.

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter a number: 55
The number is positive.

Process finished with exit code 0
```

```kotlin
fun main() {
  print("Enter a number: ")
  val number = readln().toInt()

  when {
    number > 0 -> println("The number is positive.")
    number < 0 -> println("The number is negative.")
    else -> println("The number is zero.")
  }
}
```

**Q12. Write a Kotlin program to make a simple calculator for +, - , *, /, %, using when.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter the first number: 5
Enter the second number: 6
Choose an operation (+, -, *, /, %):
+
Result: 11.0

Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter the first number: ")
    val num1 = readln().toDouble()

    print("Enter the second number: ")
    val num2 = readln().toDouble()

    println("Choose an operation (+, -, *, /, %):")
    val operation = readln()

    val result = when (operation) {
        "+" -> num1 + num2
        "-" -> num1 - num2
        "*" -> num1 * num2
        "/" -> if (num2 != 0.0) num1 / num2 else "Error: Division by zero"
        "%" -> if (num2 != 0.0) num1 % num2 else "Error: Division by zero"
        else -> "Invalid operation"
    }
    println("Result: $result")
}
```

**Q13. Write a Kotlin program to swap 2 values accepted from the user without using a third variable.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter the first value: 3
Enter the second value: 8

After swapping:
First value: 8
Second value: 3

Process finished with exit code 0
|
```

```kotlin
fun main() {
    print("Enter the first value: ")
    var a = readln().toInt()

    print("Enter the second value: ")
    var b = readln().toInt()

    a = a + b
    b = a - b
    a = a - b

    println("\nAfter swapping:")
    println("First value: $a")
    println("Second value: $b")
}
```

**Q14. Write a Kotlin program to find the sum of digits of a number accepted from the user.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter a number: 60
The sum of digits of 60 is: 6

Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter a number: ")
    val number = readln().toInt()

    var sum = 0
    var num = number

    while (num != 0) {
        sum += num % 10
        num /= 10
    }
    println("The sum of digits of $number is: $sum")
}
```

**Q15. Write a Kotlin program to accept 3 numbers from the user and print the biggest & smallest of the 3 float values.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter the first number: 98.5
Enter the second number: 4.6
Enter the third number: 87.5

The largest number is: 98.5
The smallest number is: 4.6

Process finished with exit code 0
```

```kotlin
fun main() {
  print("Enter the first number: ")
  val num1 = readln().toFloat()

  print("Enter the second number: ")
  val num2 = readln().toFloat()

  print("Enter the third number: ")
  val num3 = readln().toFloat()

  val largest = maxOf(num1, num2, num3)
  val smallest = minOf(num1, num2, num3)

  println("\nThe largest number is: $largest")
  println("The smallest number is: $smallest")
}
```

**Q16. Write a Kotlin program to accept a string from the user and count the number of vowels in it and display it to the user.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter a string: Mahipal
The number of vowels in the string is: 3

Process finished with exit code 0
```

```kotlin
fun main() {
  print("Enter a string: ")
  val input = readln()

  var vowelCount = 0

  for (char in input) {
    if (char.lowercaseChar() in "aeiou") {
      vowelCount++
    }
  }

  println("The number of vowels in the string is: $vowelCount")
}
```

**Q17. Write a Kotlin program to accept Employee Code, Employee Name, Employee Department and Employee Basic Salary. Calculate the Gross Salary of the employee using the following criterias:**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter Employee Code: 0077
Enter Employee Name: Mahipal
Enter Employee Department (HR/IT/Sales/Marketing): HR
Enter Employee Basic Salary: 30000

Employee Details:
Employee Code: 0077
Employee Name: Mahipal
Employee Department: HR
Basic Salary: 30000.0
Total Allowances: 5400.0
Gross Salary: 35400.0
Tax: 5310.0
Net Salary: 30090.0

Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter Employee Code: ")
    val empCode = readln()

    print("Enter Employee Name: ")
    val empName = readln()
```

```kotlin
    print("Enter Employee Department (HR/IT/Sales/Marketing): ")
    val empDept = readln()

    print("Enter Employee Basic Salary: ")
    val basicSalary = readln().toDouble()

    val hra = 0.05 * basicSalary
    val da = 0.12 * basicSalary
    val ta = when (empDept) {
        "HR" -> 300.0
        "IT" -> 500.0
        "Sales", "Marketing" -> 800.0
        else -> 0.0
    }

    val totalAllowances = hra + da + ta
    val grossSalary = basicSalary + totalAllowances

    val tax = when {
        grossSalary <= 25000 -> 0.0
        grossSalary <= 75000 -> grossSalary * 0.15
        else -> grossSalary * 0.25
    }

    val netSalary = grossSalary - tax

    println("\nEmployee Details:")
    println("Employee Code: $empCode")
    println("Employee Name: $empName")
    println("Employee Department: $empDept")
    println("Basic Salary: $basicSalary")
    println("Total Allowances: $totalAllowances")
    println("Gross Salary: $grossSalary")
    println("Tax: $tax")
    println("Net Salary: $netSalary")
}
```

**Q18. Write a Kotlin program to input 5 numbers from the user and find their sum and average.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter number 1: 5
Enter number 2: 9
Enter number 3: 4
Enter number 4: 8
Enter number 5: 5
The sum of the numbers is: 31.0
The average of the numbers is: 6.2

Process finished with exit code 0
```

```kotlin
fun main() {
  var sum = 0.0

  for (i in 1..5) {
     print("Enter number $i: ")
     val num = readln().toDouble()
     sum += num
  }

  val average = sum / 5

  println("The sum of the numbers is: $sum")
  println("The average of the numbers is: $average")
```

}

## Q19. Write a Kotlin program to print the following pattern:

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
1
12
123
1234
12345
123456
1234567
12345678
123456789
12345678910

Process finished with exit code 0
```

```kotlin
fun main() {
    for (i in 1..10) {
        for (j in 1..i) {
            print(j)
        }
        println()
    }
}
```

**Q20. Write a menu driven Kotlin program to provide a list of options to the user for finding Square, Cube and factorial of a number. Using when perform the appropriate operation as selected by the user.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Select an option:
1. Find the square of a number
2. Find the cube of a number
3. Find the factorial of a number
4. Exit
Enter your choice (1-4): 1
Enter a number to find its square: 5
The square of 5 is 25

Process finished with exit code 0
```

```kotlin
fun main() {
    println("Select an option:")
    println("1. Find the square of a number")
    println("2. Find the cube of a number")
    println("3. Find the factorial of a number")
    println("4. Exit")

    print("Enter your choice (1-4): ")
    val choice = readln().toInt()

    when (choice) {
```

```kotlin
        1 -> {
            print("Enter a number to find its square: ")
            val num = readln().toInt()
            val square = num * num
            println("The square of $num is $square")
        }
        2 -> {
            print("Enter a number to find its cube: ")
            val num = readln().toInt()
            val cube = num * num * num
            println("The cube of $num is $cube")
        }
        3 -> {
            print("Enter a number to find its factorial: ")
            val num = readln().toInt()
            var factorial = 1
            for (i in 1..num) {
                factorial *= i
            }
            println("The factorial of $num is $factorial")
        }
        4 -> {
            println("Exiting the program. Goodbye!")
        }
        else -> {
            println("Invalid choice! Please select a valid option (1-4).")
        }
    }
}
```

**Q21. Write a menu driven Kotlin program to provide a list of options to the user for finding the area of Circle, Square, Triangle and Cylinder. Perform appropriate operation as selected by the user.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Select an option:
1. Find the area of a Circle
2. Find the area of a Square
3. Find the area of a Triangle
4. Find the area of a Cylinder
5. Exit
Enter your choice (1-5): 3
Enter the base of the Triangle: 4
Enter the height of the Triangle: 5
The area of the Triangle is: 10.0

Process finished with exit code 0
```

```kotlin
import kotlin.math.PI

fun main() {
    println("Select an option:")
    println("1. Find the area of a Circle")
    println("2. Find the area of a Square")
    println("3. Find the area of a Triangle")
    println("4. Find the area of a Cylinder")
    println("5. Exit")
```

```kotlin
print("Enter your choice (1-5): ")
val choice = readln().toInt()



when (choice) {
    1 -> {
        print("Enter the radius of the Circle: ")
        val radius = readln().toDouble()
        val area = PI * radius * radius
        println("The area of the Circle is: $area")
    }
    2 -> {
        print("Enter the side length of the Square: ")
        val side = readln().toDouble()
        val area = side * side
        println("The area of the Square is: $area")
    }
    3 -> {
        print("Enter the base of the Triangle: ")
        val base = readln().toDouble()
        print("Enter the height of the Triangle: ")
        val height = readln().toDouble()
        val area = 0.5 * base * height
        println("The area of the Triangle is: $area")
    }
    4 -> {
        print("Enter the radius of the Cylinder: ")
        val radius = readln().toDouble()
        print("Enter the height of the Cylinder: ")
        val height = readln().toDouble()
        val area = 2 * PI * radius * (radius + height)
        println("The surface area of the Cylinder is: $area")
    }
    5 -> {
        println("Exiting the program. Goodbye!")
    }
    else -> {
        println("Invalid choice! Please select a valid option (1-5).")
```

```
    }
  }
}
```

**Q22. Write a Kotlin program to print the following pattern:**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
********
*******
******
*****
****
***
**
*

Process finished with exit code 0
```

```kotlin
fun main() {
  for (i in 8 downTo 1) {

    for (j in 1..i) {
      print("*")
    }
    println()
  }
```
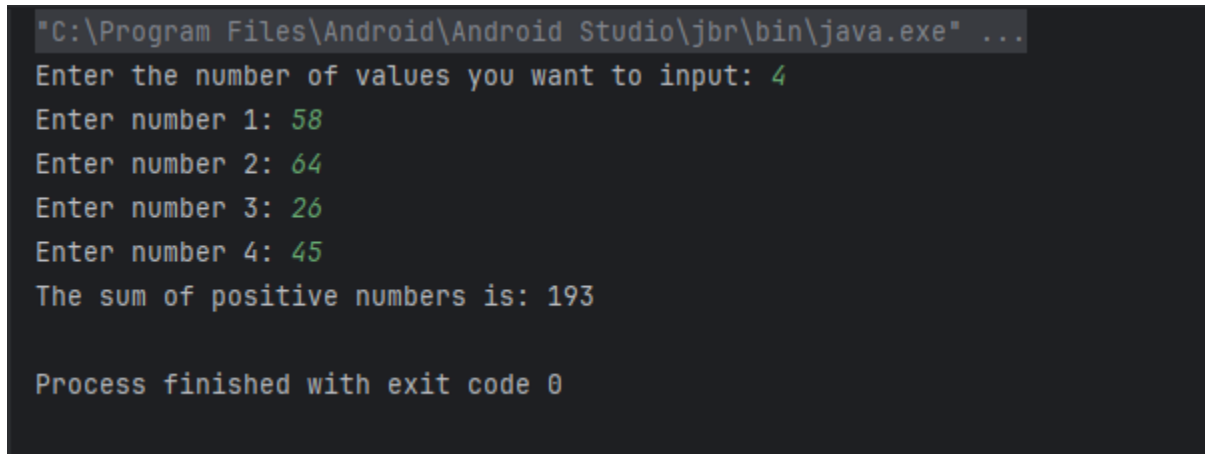
}

**Q23. Rewrite the program for question no. 11 using lambda.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter a number: -8
The number is: Negative

Process finished with exit code 0
```

```kotlin
fun main() {
  val checkNumber: (Int) -> String = { number ->
    when {
      number > 0 -> "Positive"
      number < 0 -> "Negative"
      else -> "Zero"
    }
  }

  print("Enter a number: ")
  val num = readln().toInt()
```

```kotlin
    println("The number is: ${checkNumber(num)}")
}
```

**Q24. Write a Kotlin program to accept N values from the user, and perform the addition of positive numbers only. Note: Use a do-while loop and using UDF.**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter the number of values you want to input: 4
Enter number 1: 58
Enter number 2: 64
Enter number 3: 26
Enter number 4: 45
The sum of positive numbers is: 193

Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter the number of values you want to input: ")
    val n = readln().toInt()
    val sum = addPositiveNumbers(n)

    println("The sum of positive numbers is: $sum")
}
```

```kotlin
fun addPositiveNumbers(n: Int): Int {
    var sum = 0
    var count = 0

    do {
        print("Enter number ${count + 1}: ")
        val num = readln().toInt()

        if (num > 0) {
            sum += num
        }

        count++
    } while (count < n)

    return sum
}
```

**Q25. Write a Kotlin program to create an array of 5 string values and print them using forEach loop. Also create UDF for the same.**



```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Mahipal
Parth
Paras
Meet
Suju

Process finished with exit code 0
```

```kotlin
fun main() {
    val names = arrayOf("Mahipal", "Parth", "Paras", "Meet", "Suju")

    printArrayValues(names)
}

fun printArrayValues(arr: Array<String>) {

    arr.forEach { value ->
```
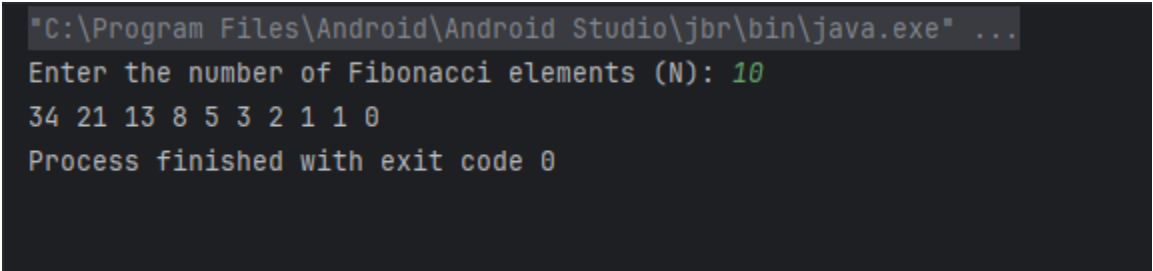
```kotlin
        println(value)
    }
}
```

**Q26. Write a Kotlin program to print the fibonacci series having "N" elements. Accept the value of N from the user. Note:Use loop in reverse order & create UDF**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter the number of Fibonacci elements (N): 10
34 21 13 8 5 3 2 1 1 0
Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter the number of Fibonacci elements (N): ")
    val n = readln().toInt()
    printFibonacciReverse(n)
}

fun printFibonacciReverse(n: Int) {
    val fibonacci = mutableListOf<Int>()
    var first = 0
    var second = 1
```

```kotlin
    for (i in 1..n) {
        fibonacci.add(first)
        val next = first + second
        first = second
        second = next
    }

    for (i in fibonacci.size - 1 downTo 0) {
        print("${fibonacci[i]} ")
    }
}
```
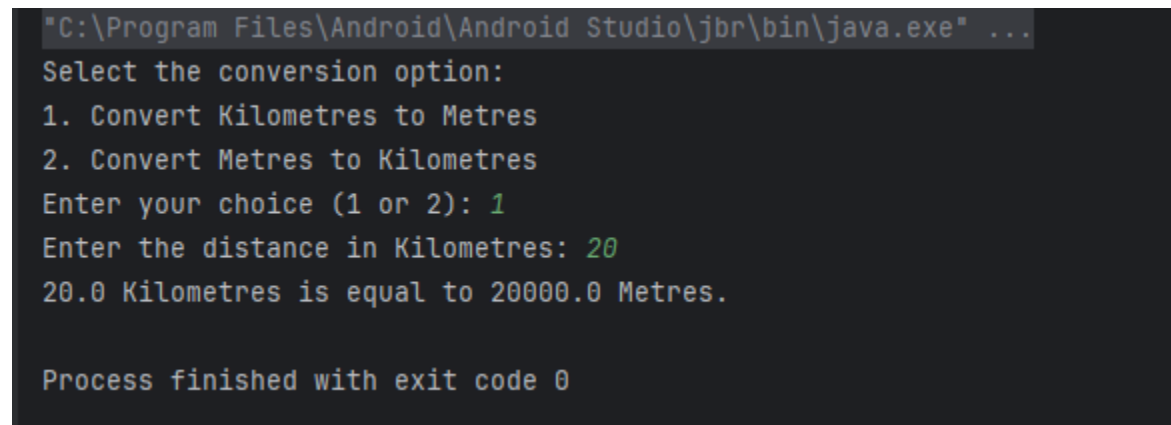
**Q27. Write a Kotlin program to convert Kilometre to Metres or vice versa. Accept the choice from the user and perform the conversion accordingly. Note: Try to use lambda function for conversion**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Select the conversion option:
1. Convert Kilometres to Metres
2. Convert Metres to Kilometres
Enter your choice (1 or 2): 1
Enter the distance in Kilometres: 20
20.0 Kilometres is equal to 20000.0 Metres.

Process finished with exit code 0
```

```kotlin
fun main() {
    val kmToMetres: (Double) -> Double = { km -> km * 1000 }
    val metresToKm: (Double) -> Double = { metres -> metres / 1000 }

    println("Select the conversion option:")
    println("1. Convert Kilometres to Metres")
    println("2. Convert Metres to Kilometres")

    print("Enter your choice (1 or 2): ")
```

```kotlin
val choice = readln().toInt()

when (choice) {
  1 -> {
    print("Enter the distance in Kilometres: ")
    val km = readln().toDouble()
    val metres = kmToMetres(km)
    println("$km Kilometres is equal to $metres Metres.")
  }
  2 -> {
    print("Enter the distance in Metres: ")
    val metres = readln().toDouble()
    val km = metresToKm(metres)
    println("$metres Metres is equal to $km Kilometres.")
  }
  else -> {      println("Invalid choice. Please enter 1 or 2.")     }   }     }
```

## Q28. Write a Kotlin program to print all prime numbers in between a given range, using UDF.

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter the lower range: 10
Enter the upper range: 60
11
13
17
19
23
29
31
37
41
43
47
53
59

Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter the lower range: ")
    val lower = readln().toInt()

    print("Enter the upper range: ")
    val upper = readln().toInt()

    printPrimeNumbers(lower, upper)
}

fun printPrimeNumbers(lower: Int, upper: Int) {
    for (num in lower..upper) {
        if (isPrime(num)) {
            println(num)
        }
    }
}

fun isPrime(num: Int): Boolean {
```

```
    if (num <= 1) return false

    for (i in 2 until num) {
        if (num % i == 0) return false
    }
    return true
}
```

**Q29. Write a Kotlin program to accept a number from the user and check whether it is an Armstrong number or not. Note: Use do-while loop & create UDF**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter a number: 56
56 is not an Armstrong number.

Process finished with exit code 0
```

```kotlin
fun main() {
    print("Enter a number: ")
    val number = readln().toInt()

    if (isArmstrongNumber(number)) {
        println("$number is an Armstrong number.")
    } else {
        println("$number is not an Armstrong number.")
    }
}

fun isArmstrongNumber(num: Int): Boolean {
    var sum = 0
    val originalNumber = num
    val numberOfDigits = num.toString().length

    var temp = num
    do {
        val digit = temp % 10
        sum += Math.pow(digit.toDouble(), numberOfDigits.toDouble()).toInt()
        temp /= 10
    } while (temp > 0)

    return sum == originalNumber
}
```

**Q30. Write a Kotlin program to demonstrate the use of indices attributes and withIndex() function of an Array**

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Using 'indices' to loop over the array:
Index: 0, Value: 10
Index: 1, Value: 20
Index: 2, Value: 30
Index: 3, Value: 40
Index: 4, Value: 50

Using 'withIndex()' to loop over the array:
Index: 0, Value: 10
Index: 1, Value: 20
Index: 2, Value: 30
Index: 3, Value: 40
Index: 4, Value: 50

Process finished with exit code 0
```

```kotlin
fun main() {
    val numbers = arrayOf(10, 20, 30, 40, 50)

    println("Using 'indices' to loop over the array:")
    for (index in numbers.indices) {
        println("Index: $index, Value: ${numbers[index]}")
    }

    println("\nUsing 'withIndex()' to loop over the array:")
    for ((index, value) in numbers.withIndex()) {
        println("Index: $index, Value: $value")
    }
}
```

## Q31. Write a Kotlin program to accept a value from the user either between 0-6 or any 1 value from the following:

```
"C:\Program Files\Android\Android Studio\jbr\bin\java.exe" ...
Enter a number between 0-6 or a day name (Sun, Mon, Tue, Wed, Thurs, Fri, Sat):
5
Friday

Process finished with exit code 0
```

```kotlin
fun main() {
    println("Enter a number between 0-6 or a day name (Sun, Mon, Tue, Wed, Thurs, Fri,
Sat):")
    val input = readln()

    printDay(input)
}
fun printDay(input: String) {
    if (input.toIntOrNull() in 0..6) {
        when (input.toInt()) {
            0 -> println("Sunday")
            1 -> println("Monday")
            2 -> println("Tuesday")
            3 -> println("Wednesday")
            4 -> println("Thursday")
            5 -> println("Friday")
            6 -> println("Saturday")
        }
    }
    else {
        when (input.lowercase()) {
            "sun" -> println("Sunday")
            "mon" -> println("Monday")
            "tue" -> println("Tuesday")
            "wed" -> println("Wednesday")
            "thurs" -> println("Thursday")
```

```
        "fri" -> println("Friday")
        "sat" -> println("Saturday")
        else -> println("Invalid input")
}}}
```