# Shyryn Akan

# **Assignment 1, Mobile Programming**

### Task1

```
val height: Double = 4.0
         val name: String = "Shyryn"
          val isStudent: Boolean = true
          println("Age $age")
          println("Height $height")
          println("Name $name")
          println("isStudent $isStudent")
          checkNumber()
          printNumbersFor()
          printNumbersWhile()
          listOfNumbers()
     fun checkNumber(){
         print("Enter the number: ")
          var a = readln().toInt()
          if (\underline{a} > 0)
```

```
fun checkNumber(){
    else
        println("$a is zero number")
fun printNumbersFor(){
    println("With 'for' ")
    for (i in 1 \le ... \le 10){
        println(i)
fun printNumbersWhile(){
    while (<u>a</u> < 11){}
        println(<u>a</u>)
        <u>a</u>++
fun listOfNumbers(){
    var listsNums = list0f(1,2,8,9,55,23,12,22)
    for (i in listsNums){
   println("The sum : $sum")
```

Result:

```
> 🛅 manifests
fun checkNumber(){
    com.example.task1
  > 🖻 com.example.task1 (androi
                                       var a = readln().toInt()
 > com.example.task1 (test)

    □ Task1_akanovassKt ×

 Name Shyryn
 isStudent true
 Enter the number: 3
 3 is positive number
 With 'for'
  1 2 3 4 5 6 7 8 9 10
  1 2 3 4 5 6 7 8 9 10
 The sum : 132
 Process finished with exit code 0
```

#### Task2:

## Result:

# Task3:

```
    □ Task3_akanovass.kt

                           println("Enter 2 number: ")
                           var num1 : Int = readln().toInt()
ple.task1
                          var num2 : Int = readln().toInt()
println("Number 1 is: ${num1}")
println("Number 2 is: ${num2}")
ple.task1 (androi
ıple.task1 (test)
novass.kt
                          // Basic Function: Sum of two integers
val sumResult = sum(num1, num2)
anovass.kt
                       // Lambda Function: Multiply two numbers
val multiplyLambda: (Int, Int) -> Int = { a, b -> a * b }
                           val multiplyResult = multiplyLambda(num2, num1)
                            println("Multiplication of $num1 and $num2 : $multiplyResult")
                             val resultOfHigher = αpplyOperation(num1, num2, multiplyLambda)
                       fun sum(a: Int, b: Int): Int {
                            return operation(a, b)
```

### Result:









