```
                        Problem 4
import java.util.Scanner
fun main(args: Array<String>) {

    var sc = Scanner(System.`in`)

    var mark: Int = sc.nextInt()
//biva

    fun assignGrade(mark: Int): String {
        if (mark >= 90) {
            return "A"
        } else if (mark >= 80) {
            return "B"
        } else if (mark >= 70) {
            return "C"
        } else if (mark >= 60) {
            return "D"
        } else
            return "fail"
    }

    val grade = assignGrade(mark)

    println("The student's grade is: $grade")

}
```

Problem 1

```
fun main() {
    var n = 10
    var a=1

    for (i in 2 .. n step 2 ) {
        print(i )

    }

}
```

problem 6

```
import java.util.Scanner
fun main() {
    var reader = Scanner(System.`in`)
    var num1:Int = reader.nextInt()
```

```
    var n = 5
    var  fact = 1
    for (i in 1 .. n) {
        fact*=i
    }
    println("Factorial is: $fact")
}
```

Bonus

```
fun main(args: Array<String>) {
    plus()
    minus()
    multi()
    division()
}
fun plus (){
    var a = 2
    var b = 3

    println(a+b)
}
fun minus (){
    var a = 5
    var b = 2

    println(a-b)
}
fun multi (){
    var a = 4
    var b = 2

    println(a*b)
}
//biva
fun division (){
    var a = 10
    var b = 2

    println(a/b)
}
```