Fibbonaci

**def** main(args: Array[String]): Unit =  
 {  
 **var** v1=1  
 **var** v2=3  
 **var** v3=0  
 *println*(v1)  
 *println*(v2)  
 **for**(a <- 1 to 10)  
 {  
 v3=v1+v2  
 v1=v2  
 v2=v3  
 *println*(v3)  
 }

Fibbonacci fuction

**object** ABX  
{  
 **def** fibb(a:Int): Unit =  
 {  
 **var** v1=0  
 **var** v2=1  
 **var** v3=0  
 *println*(v1)  
 *println*(v2)  
 **for**(i <-1 to a)  
 {  
 v3=v2+v1  
 v1=v2  
 v2=v3  
 *println*(v3)  
 }  
 }  
 **def** main(args: Array[String]): Unit =  
 {  
 *fibb*(10)  
 }  
  
}

Case class example

**object** HelloClass {  
  
 **abstract class** Person {  
 **def** name: String  
 **def** age: Int  
  
 **def** getName(): String = {  
 name  
 }  
  
 **def** getAge(): Int = {  
 age  
 }  
 }  
  
 **case class** PersonA(**val** name: String, **val** age: Int, **val** salary: Int) **extends** Person  
  
  
  
}  
  
**object** HelloObjectPlusClass {  
  
 **def** main(args: Array[String]) {  
 *//val p = HelloClass* **val** x = HelloClass.PersonA(**"Senthil"**, 10, 42)  
 *println*(x.getName)  
 }  
}

**object** mainObject {  
 **def** main(args: Array[String]) {  
 **val** l1=*List*(1,2,3)  
 **val** abcd=*f*(3,l1)  
 *println*(*f*(3,l1))  
  
  
 }  
  
 **def** f(num: Int, arr: List[Int]): List[Int] = {  
 **var** l: List[Int] = *List*()  
 arr.map { x =>  
 **for**(a <-1 to num)  
 l = l :+ x  
  
 }  
  
  
   
 l  
  
  
 }  
}

val ls = List("Mary", "had", "a", "little", "lamb","a")

scala> ls.zipWithIndex.filter(\_.\_1 == "a").map(\_.\_2)

res13: List[Int] = List(2, 5)