





Tecnológico Nacional de México Instituto Tecnológico de Tijuana

Departamento de Sistemas y Computación Ingeniería en Sistemas Computacionales

Semestre: Febrero - Junio 2022

Materia: Innovación Tecnológicas

Docente:

JOSE CHRISTIAN ROMERO HERNANDEZ

Unidad: U1

Título del trabajo: práctica 3

alumno:

Manuel Angel Real Castro 18212253 Anahi Del Carmen Hernandez Pablo 18210486







- 1. Create a list called "list" with the elements "red", "white", "black"
- 2. Add 5 more items to "list" "green" ,"yellow", "blue", "orange", "pearl"
- 3. Bring the items from "list" "green", "yellow", "blue"
- 4. Create an array of numbers in the range 1-1000 in steps of 5 at a time
- 5. What are the unique elements of the list List(1,3,3,4,6,7,3,7) use conversion to sets
- 6. Create a mutable map named names containing the following "Jose", 20, "Louis", 24, "Anna", 23, "Susana", "27"
 - 6 a.m. Print all the keys on the map
 - 6b. Add the following value to the map("Miguel", 23)

```
asses where applicable
Using Spark's default log4j profile: org/apache/spark/log4j-defaults.properties
Setting default log level to "WARN".
To adjust logging level use sc.setloglevel(newlevel). For SparkR, use setLogLevel(newLevel).
Spark context Web UI available at http://LAPTOP-AECOGGAO:4840
Spark context available as 'sc' (master = local[*], app id = local-1646888536959).
Spark session available as 'spark'.
Welcome to

Using Scala version 2.11.12 (Java HotSpot(TM) 64-Bit Server VM, Java 1.8.0_162)
Type in expressions to have them evaluated.
Type :help for more information.

scala> var lista = List("rojo", "blanco", "negro")
lista: List[String] = List(rojo, blanco, negro)

scala> lista = "verde"::"amarillo"::"azul"::"naranja"::"perla"::lista
lista: List[String] = List(verde, amarillo, azul, naranja, perla, rojo, blanco, negro)

scala> lista: List[String] = List(verde, amarillo, azul, naranja, perla, rojo, blanco, negro)

scala> lista slice (0,3)
```







```
scala> nombres.keys
res3: Iterable[String] = Set(Susana, Ana, luis, jose)
scala> nombres+=("miguel"->23)
res4: nombres.type = Map(Susana -> 27, Ana -> 23, miguel -> 23, luis -> 24, jose -> 20)
scala>
```