**Assignment Module 2 – Kotlin Programming Basics**

1. **Explain the different data types available in Kotlin.**

Available Data Types in Kotlin :

* Char
  + It use to store single Character.
  + Size of char is 1 byte.
* Int
  + It use to store whole numbers.
  + Size of int is 4 byte.
* Float
  + It use to store Decimal Point numbers.
  + Size of float is 4 byte.
* Double
  + It use to store long range numbers or decimal numbers.
  + Size of double is 8 byte.
* String
  + It is use to store group of character.
  + Size of string is depends on char datatype.
  + It occupy plus 1 size relate to char.
* Boolean
  + It is use to store true or false.
  + Size of Boolean is 2 byte.
* Array
  + It is use to store more than one value of same data type.
  + Size of array is depends of stored elements.
* Except this data type, there is more data types in Kotlin…

1. **How do val and var differ?**

Difference between val and var :

* Val is use to store constant value.
* Var is use to store changeable value.

1. **What is a lambda expression in Kotlin, and where can it be used?**

* Lambda expression is also known as anonyms function.
* We can define that which kind of operation will be perform on that function.
* We can put the body of function in parameters.
* Arrow (->) operator is use to separate body and arguments of function.
* Arguments are define before arrow (->) operator.
* Body are define after arrow(->) operator.