Assignment Module 2 – Kotlin Programming Basics

1. Explain the different data types available in Kotlin.

Available Data Types in Kotlin :

- ➢ Char
    - o It use to store single Character.
    - o Size of char is 1 byte.

- ➢ Int
    - o It use to store whole numbers.
    - o Size of int is 4 byte.

- ➢ Float
    - o It use to store Decimal Point numbers.
    - o Size of float is 4 byte.

- ➢ Double
    - o It use to store long range numbers or decimal numbers.
    - o Size of double is 8 byte.

- ➢ String
    - o It is use to store group of character.
    - o Size of string is depends on char datatype.
    - o It occupy plus 1 size relate to char.

- ➢ Boolean
    - o It is use to store true or false.
    - o Size of Boolean is 2 byte.

- ➢ Array
  - o It is use to store more than one value of same data type.
  - o Size of array is depends of stored elements.

- ➢ Except this data type, there is more data types in Kotlin...

2. 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.

3. 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.