Notes on Chapter- 4 (Values and Data Types)

Subject -Computer Application

Class -IX

Q1. What do you understand by Tokens? Name the different types of tokens.

Ans:- **Tokens**- The smallest individual unit in a program is called tokens.

Different types of Tokens are:-

1. **Keywords 2. Literals 3. Identifiers 4. Operators 5.Punctuators**

Q2. What do you understand by Data Type? Name the different types of data type.

Ans:- **Data Type**- The data types are means to identify the type of data and associated operations of handling it.

Java data types are of two types :-

1. **Primitive data types –**it is fundamental data types offered by java. The data types which are independent of any other type , are known as Primitive data type.

    Java provides eight primitive data types- byte, short, int, long, float, double, char, boolean.

2. **Reference data types –** The data type which constructed from primitive data types called referenced data type. These are classes, arrays and interface.

Q3. What is a literal? Write its Types.

Ans- Literals- Literals are data items that are fixed data values.

    A literal is a value that can be assigned to a specific variable.

Java allows several kinds of literals-

   (i)   Integer literals
   (ii)   Real literals
   (iii)   Character literals
   (iv)   String literals
   (v)   Boolean literals

Q4. What do you mean by Boolean data type?

Ans :- It is primitive data type which represent the values true and false.

Q5. What is a variable?

Ans – variable is a named memory location that is used to contain a value that can change depending on the circumstances during the execution of a program.

Q5. Write on difference between primitive data types and composite data types.

Ans:- The fundamental data or basic data types(i.e. int, float, char) that are provided by java are known as primitive data types. Whereas derived data types or non-primitive data types are called composite data types. e.g. class, array.

Notes: As I had discussed the topic Chapter wise in my different videos. So you have to write notes Chapter wise and solve the given assignments in your Notebook.