**SESSION 01**

**DATA TYPES:**

1. Integers 1e308
2. Decimal/float 1.7e308
3. Boolean True
4. Text string ‘hey’
5. Complex (5+6j)
6. List [1,2,3,4,5]
7. Tuple (1,2,3,4,)
8. Sets {1,2,3,4,,5}
9. Dictionary {‘name’:’nitish’,’gender’:’male’}
10. type() ->detects data type

**DYNAMIC TYPING:** python support dynamic typing you do not tell the datatype of the of the variable python interpreter understands datatype value ko dekh k eg: a = 5

**STATIC TYPING:** define data type eg: int a = 5

**DYNAMIC BINDING:** in python a variable doesnot have a fixed data type

eg: a = 5, a = ‘nitish’

**STATIC BINDING:**  cannot change the data type of a variable that is once defined