**Day 2 of java Class Notes**

**Data Types in Java**

1. **Bytes** – 8 bytes
2. **Short** – 16bytes
3. **Int** - 32 bytes
4. **Long** - 64 bytes
5. **Char**
6. Boolean
7. Float
8. Double

* **String is class in Java also act as an Datatype**
* //we can access attributes directly in class methods but in main method we have to make object of the class in order to access the attributes of the class

**Strings in JAVA**

* **String is a class in Java**
* **It exists in lang package.**

1. **toString()**
2. **toUpperCase()**
3. **toLowerCase()**
4. **valueof(int)**
5. **toCharArray()**
6. **substring(int)**
7. **substring(***beingIndex*:int,*endIndex*:int**) // generally used- use case can be found in string.java file**

* **by default if we console object then it returns the garbage value (cuz gc method of lang.System class takes care)like `Strdemo@15db9742` but if we introduce toString in our program then it takes care and return what is returned using it .**
* **next() reads only one word till encounters space**
* **nextLine() reads wholeline until line changes**
* **we can only write body of toString method , but we cant for rest method as they are predefined.**
* **Whatever java takes or gives, it takes as string on black screen.**
* **String> equals method**

print vs println vs printf