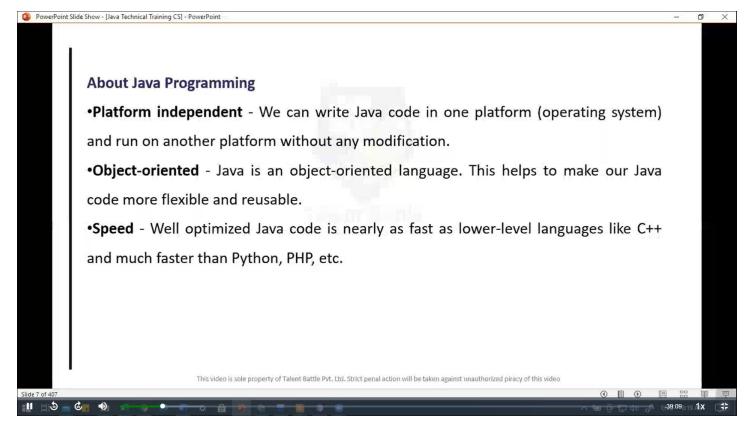
## Day1

## Java Programming Language

Java is an object-oriented language, which means that it is based on the concept of "objects" that represent data and the actions that can be performed on that data. Java also has several features that make it well-suited for building large, complex systems, including strong support for object-oriented programming, a rich set of libraries and frameworks, and a robust type system. It is designed to be simple, fast, and easy to learn.

One of the advantages of Java is that it is platform-independent, meaning that it can run on any device that has a Java Virtual Machine (JVM) installed. This means that a Java program can be written once and then run on any device, regardless of the operating system or hardware architecture.

Overall, Java is a powerful and popular programming language that is widely used for building a variety of applications.

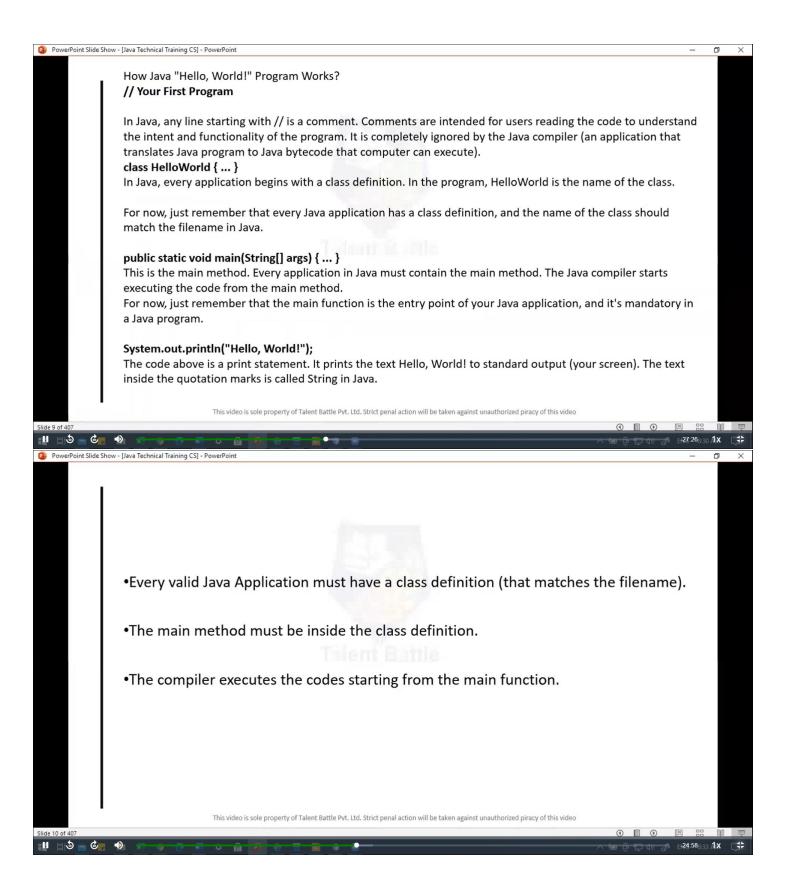


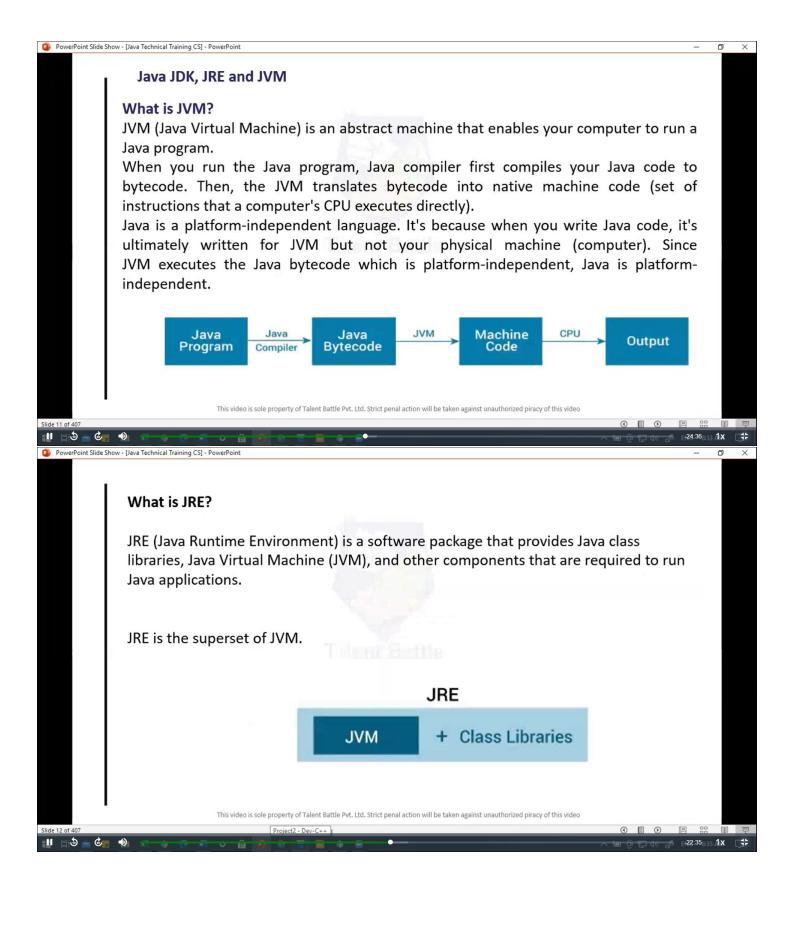
```
// Java Hello World Program

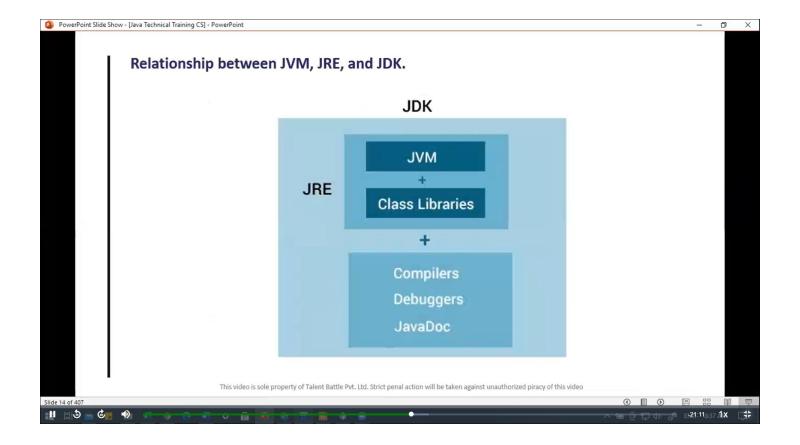
// Your first program

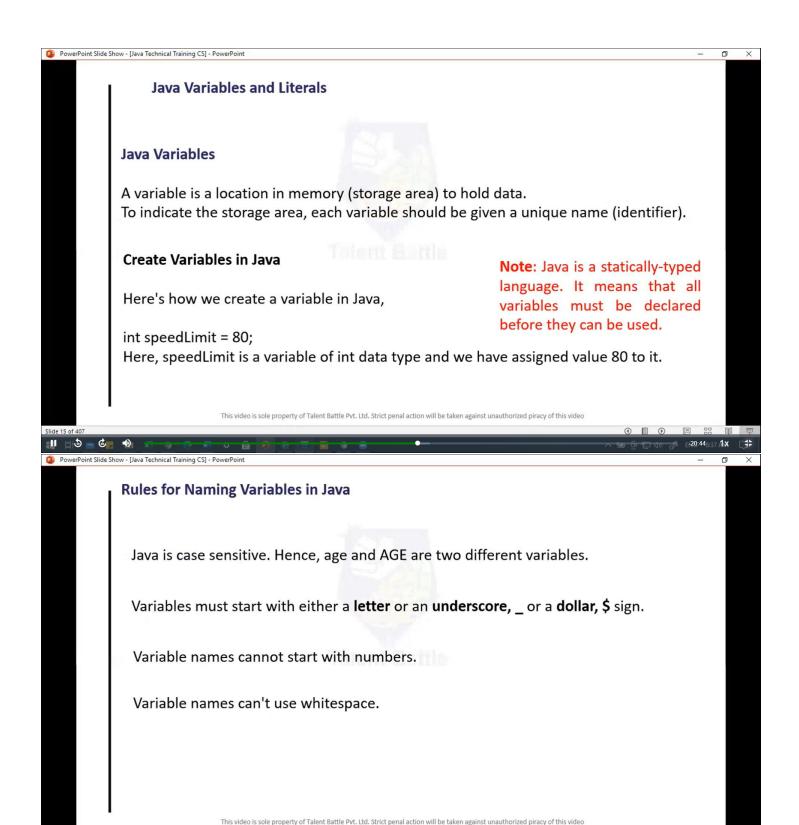
class HelloWorld {
  public static void main(String[] args){
    System.out.println("Hello, World!");
  }
}
```

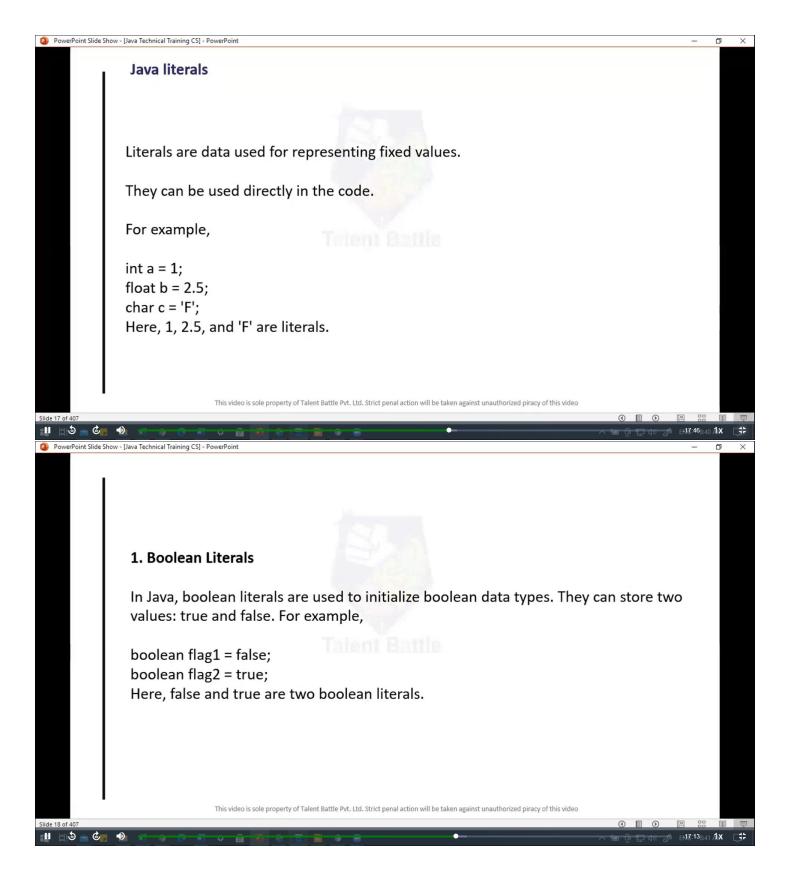
 $\label{lower} PS C:\Users\hp\Desktop\TCS IT\Java\Day1> javac .\HelloWorld.java PS C:\Users\hp\Desktop\TCS IT\Java\Day1> java .\HelloWorld.java Hello, World!$ 

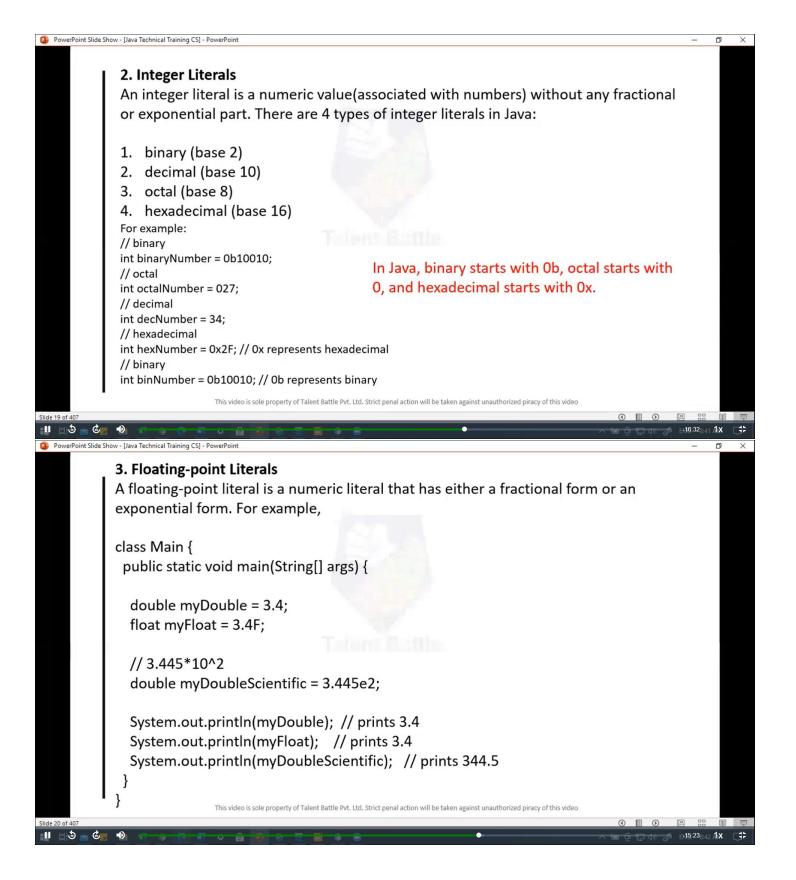


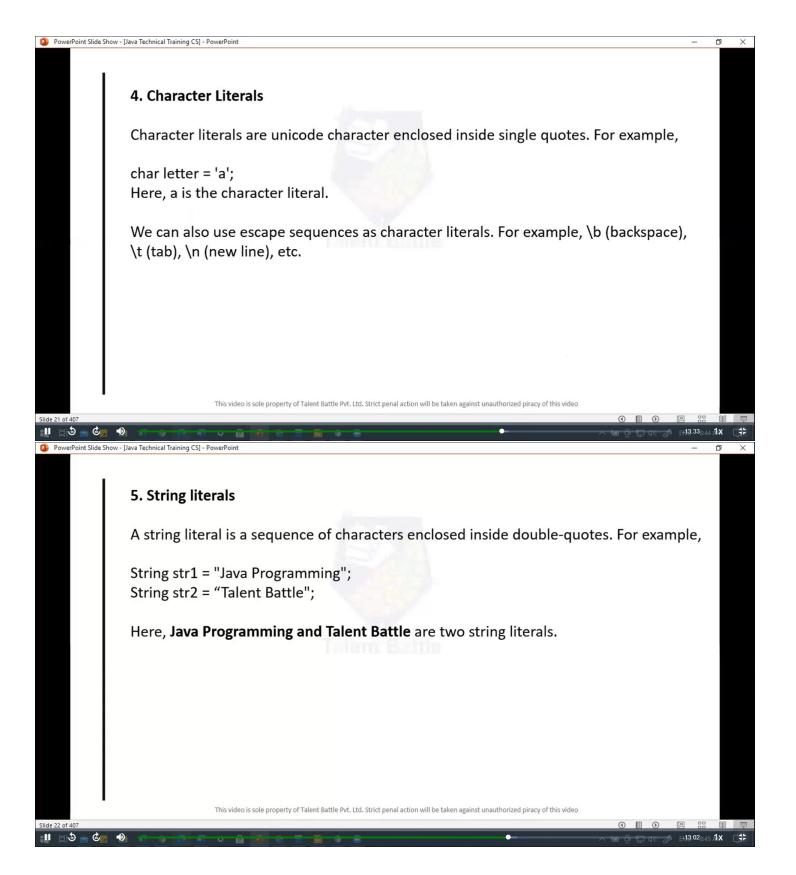


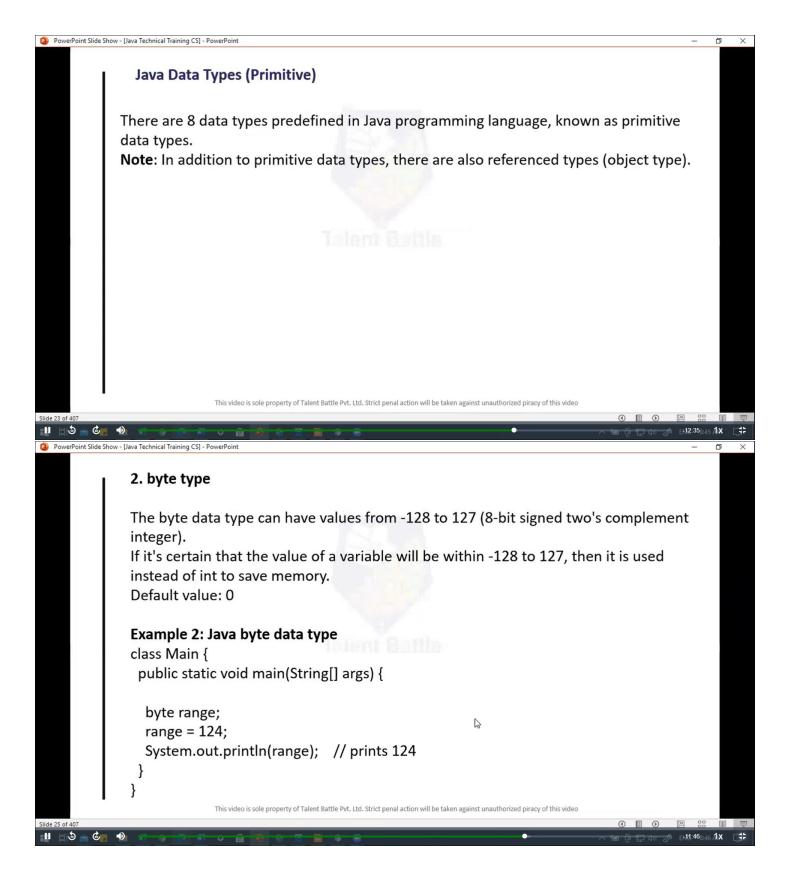


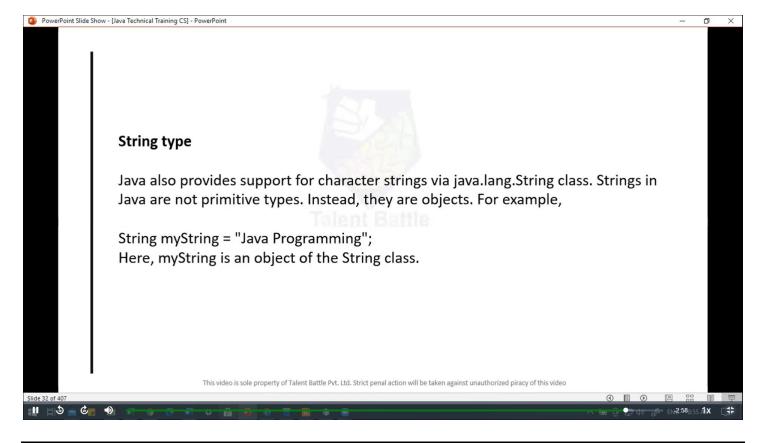












```
public class main {
 public static void main(String[] args){
  // boolean type
   boolean flag = true;
   System.out.println(flag); // print true
   // byte type
   byte myByte = 123;
   System.out.println(myByte); // prints 123
  // short type
   short temperature = -200;
   System.out.println(temperature); // -200
```

```
int type
 int myInt = 1234567890;
 System.out.println(myInt); //1234567890
// long type
 long myLong = 1234567890123L;
 System.out.println(myLong); // 1234567890123
// double type
double myDouble = 3.4;
System.out.println(myDouble); // 3.4
// float type
float myFloat = 3.4F;
System.out.println(myFloat); // 3.4
// char type
char myChar = 'A';
char myChar1 = '\u0051';
System.out.println(myChar); // A
System.out.println(myChar1); // Q
}
```

```
// Java Hello World Program

// Your first program

class HelloWorld {
  public static void main(String[] args){
    System.out.println("Hello, World!");
  }
}
```