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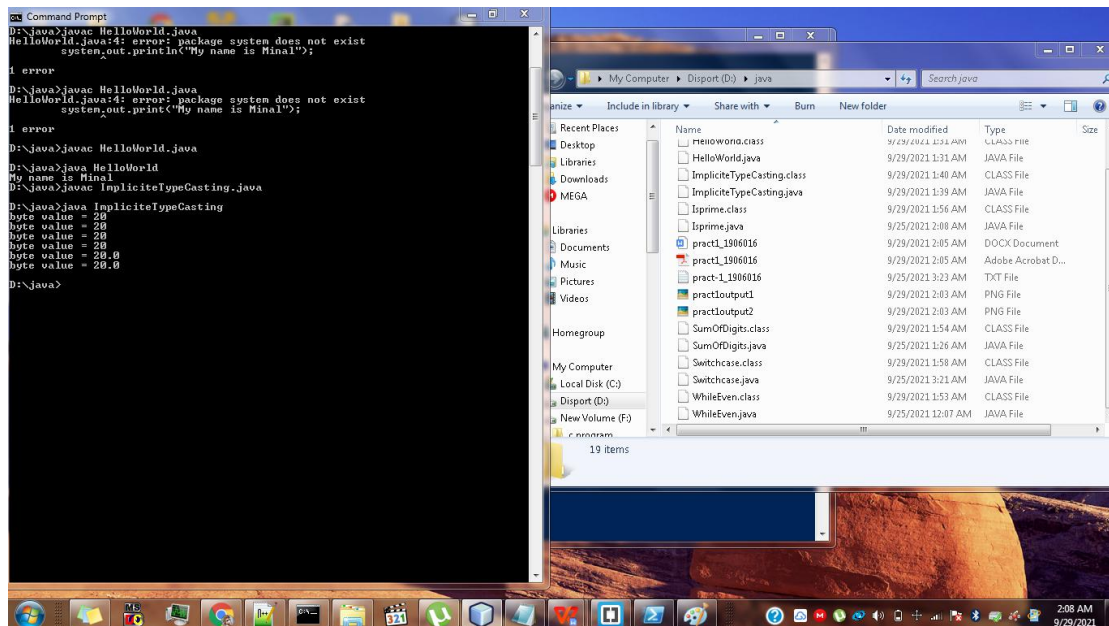
Program 2 : Develop a program for implementation of implicit and explicit type casting (5 of each) in JAVA.

Program for implementation of implicit type casting

Code:

```
public class ImpliciteTypeCasting {  
    public static void main(String[] args) {  
        byte b = 20;  
  
        short s = b;  
        int i = s;  
        long l = i;  
        float f = l;  
        double d = f;  
  
        System.out.println("byte value = " +b);  
        System.out.println("short value = " +s);  
        System.out.println("int value = " +i);  
        System.out.println("long value = " +l);  
        System.out.println("float value = " +f);  
        System.out.println("double value = " +d);  
  
    }  
}
```

Output:



Program for implementation of explicit type casting  
Code:

```
public class Explicittypecasting {

    public static void main(String[] args)
    {
        double d = 100.04;
        float f = (float) d;
        long l = (long) f;
        int i = (int) l;
        short s = (short) i;
        byte b = (byte) s;

        System.out.println("byte value = " +b);
        System.out.println("short value = " +s);
        System.out.println("int value = " +i);
        System.out.println("long value = " +l);
        System.out.println("float value = " +f);
        System.out.println("double value = " +d);

    }
}
```

```
D:\java\ExplicitTypeCasting.java - Notepad++
File Edit Format View Window Help
Windows PowerShell
PS D:\java> javac ImplicitTypeCasting.java
PS D:\java> java ImplicitTypeCasting
byte value = 20
byte value = 20
byte value = 20
byte value = 20
byte value = 20.0
byte value = 20.0
PS D:\java> javac ExplicitTypeCasting.java
PS D:\java> java ExplicitTypeCasting
Error: Could not find or load main class ExplicitTypeCasting
PS D:\java> javac ExplicitTypeCasting.java
PS D:\java> java ExplicitTypeCasting
Error: Could not find or load main class ExplicitTypeCasting
javac: file not found: \ExplicitTypeCasting.java
Usage: javac <options> <source files>
Use -help for a list of possible options
PS D:\java> javac ExplicitTypeCasting.java
PS D:\java> java ExplicitTypeCasting
byte value = 100
short value = 100
int value = 100
long value = 100
float value = 100.04
double value = 100.04
PS D:\java> _
```

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Java source file

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