

Java Variable Example: Add Two Numbers

```
class Simple{  
    public static void main(String[] args){  
        int a=10;  
        int b=10;  
        int c=a+b;  
        System.out.println(c);  
    }  
}
```

Output:

```
20
```

Java Variable Example: Widening

```
class Simple{  
    public static void main(String[] args){  
        int a=10;  
        float f=a;  
        System.out.println(a);  
        System.out.println(f);  
    }  
}
```

Output:

```
10  
10.0
```

Java Variable Example: Narrowing (Typecasting)

```
class Simple{  
    public static void main(String[] args){  
        float f=10.5f;  
        //int a=f;//Compile time error  
        int a=(int)f;  
        System.out.println(f);  
        System.out.println(a);  
    }  
}
```

Output:

```
10.5  
10
```

Java Variable Example: Overflow

```
class Simple{  
    public static void main(String[] args){  
        //Overflow  
        int a=130;  
    }  
}
```

```
byte b=(byte)a;
System.out.println(a);
System.out.println(b);
}}
```

Output:

```
130
-126
```

Java Variable Example: Adding Lower Type

```
class Simple{
public static void main(String[] args){
byte a=10;
byte b=10;
//byte c=a+b;//Compile Time Error: because a+b=20 will be int
byte c=(byte)(a+b);
System.out.println(c);
}}
```

Output:

```
20
```