As per the update from ZOOM security fix is done. NOW IT IS SAFE for all. Click the link to see new features added by ZOOM: https://support.zoom.us/hc/en-us/articles/360041408732

Type Casting:

Converting a particular datatype into required datatype is called as type casting

1. Auto Upcasting:

Converting smaller datatype to bigger datatype is called as auto-upcasting

During auto upcasting data loss should not happen

Example 1:

```
public class MyClass {

public static void main(String args[]) {

int i = 10;

long j = i;

System.out.println(j);

}

}
```

Output:

10

Example 2:

```
public class MyClass {

public static void main(String args[]) {

byte i = 10;

int j = i;



System.out.println(j);

}

}
```

Output:

10

Example 3:

```
public class MyClass {

public static void main(String args[]) {

int i = 10;
```

```
byte j = i;



System.out.println(j);


}


}
```

Example 4:

```
public class MyClass {


public static void main(String args[]) {


double i = 10.3;


float j = i;


    //Error
System.out.println(j);


}


}
```

Output:

Error

Example 5:

```
public class MyClass {

public static void main(String args[]) {

float i = 10.3f;

double j = i;



System.out.println(j);

}

}
```

Output:

10.3

Example 6:

```
public class MyClass {

public static void main(String args[]) {

float i = 10.3f;

long j = i;
```

```
System.out.println(j);


}


}
```

Output:

Error, because data loss is happening

Example 7:

```
public class MyClass {


public static void main(String args[]) {


var i = 10;


byte j = i;




System.out.println(j);


}


}
```

Output:

Error

Example 8:

```
public class MyClass {

public static void main(String args[]) {

byte i = 10;

var j = i;



System.out.println(j);

}

}
```

Output:

10

Explicit Downcasting: Here we are converting bigger datatype to smaller datatype. During explicit downcasting data loss might happen

Example 9:

```
public class MyClass {

public static void main(String args[]) {
```

```
int i = 10;

byte j =(byte)i;

System.out.println(j);

}

}
```

Output:

10

Example 10:

```
public class MyClass {

public static void main(String args[]) {

double i = 10.3;

float j =(float)i;

System.out.println(j);
```

```
}

}
```

Output:

10.3

Example 11:

```
public class MyClass {

public static void main(String args[]) {

float i = 10.3F;

long j =(long)i;


System.out.println(j);

}

}
```

Output:

10