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Unit 6

Module 1

# Ex. 1.3

The compiler errors are

Ex\_1\_3.java:5: error: incompatible types: possible lossy conversion from int to byte

byte a = 130;

^

Ex\_1\_3.java:8: error: incompatible types: possible lossy conversion from int to byte

sum = sum + b;

^

2 errors

The range of possible values of byte type is -128 to 127. 130, to which byte a is initialized falls outside this range. This is even more the case for the values that sum=sum+b tries to produce.

# Ex. 1.4

1. This program will compile.
2. The program will NOT execute with **java TestFileName**.
3. The compilation outputs the file called **A.class**.
4. To call the main() method inside class A from the main() method in public class TestFileName, I have to declare an instance of type A inside the TestFileName main() with a **new** operator and access this instance’s main() method through the **.** **[dot]** operator, not forgetting to supply some parameters for the main() method inside A:

*A a = new A();*

*String[] args = {"some", "arguments"};*

*a.main(args);*