

```

graph TD
    int --> char
    int --> short
    int --> long
    short --> long
  
```

By default every integer literal is of type int, only. byte and short are below than int so we can't assign integer literal/expr is by default int type to byte and short but the values must be within the range. For byte: -128 to 127 and for short: -32768 to 32767.

Actually whenever we are assigning integer literal to byte and short data type then compiler internally converts it to corresponding integer type.