

Lecture 3 - How is Data Stored

- *Short data type has a minimum value of -*

####Short is of 16 bits. So the smallest value short can store is : -2^{15} .

- *Range of **byte** data type is ?*

####Range of byte(8 bits) is : -2^7 to 2^7-1

- *Will following statement give an error ?*

####float f = 1.4;

- *What will be the output of the following statement ?*

System.out.println('a' + 1);

####When you add a character and an int, it will add the ASCII value of char 'a' i.e 97 and int 1. So ans will be 98.

- *What will be the output ?*

int i = 'c';

System.out.println(i);

When we put char 'c' into an int, its ASCII value will be put in the int i.e. 99.

- *Automatic type conversion in Java takes place when :*

####When two types are compatible and size of destination type is larger than size of source type