

B. State your observations for the following questions:

a. If you use an integer data type for n, what is the largest number that can be printed without error by on your system? What type of error do you get when the largest number is reached?

The largest number is 1836311903. The type of error are negative values.

b. If you use an unsigned long long int as the data type for n, what is the largest number that can be printed by fibonacci (n) on your system? Is this value different from part (a) and why?

The largest number is 7540113804746346429. Yes, this value is different because unsigned long long ints can store 32 bits unlike regular ints which store 4 bytes.