Homework Questions of 3rd March 2023

Why size of pointer is fixed?

Whenever we apply size of operator on

the pointer of any data type, the answer

will come out to be same. Pointers will

have size of 2 bytes on a 16 bit system,

4 bytes on a 32 bit system & 8 bytes

on 64 bit system.

int  $\alpha = 5$ ; int \* btr = & a; cout << size of (btr) in a = a

Char ch = 'a'; char \* btrl = 4 ch; cout << size of (btrl);

double d = 1.26; char \* ptr2 = & d; cout << size of (ptr2);

I am assuming that the above codes are run on 64 bit system & hence the answer to all of these will be 8 bytes as the data which is stored inside the pointer is an address & hence 8 bytes always.