Explanation

The rationale behind the code is to store the integers in an array using pointers as pointers make it easy to access each array element. The code starts with declaring a long int pointer 'ptr' then initializing ptr to point to arr 'x' with typecasting array elements char to an integer as we have to store eight 64-bit integer.then the for loop add integers to an array using pointer ptr. Adding a particular number to a pointer will move the pointer location to the value obtained by an addition operation. At the end of the loop, the pointer will point to the last element of the array, but now we have to print the elements stored in the array .so I reset the pointer and print the stored integer using the pointer. Same for storing 16 32-bit integers.