

## Assignment No.: 8

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**Batch :** A-1

**Roll No. :** 04

**Aim :** Write a program to show use of this pointer, new and delete.

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### Input Code :

```
#include <iostream>
using namespace std;

int main()
{
    int* p = NULL;
    p = new (nothrow) int;
    if (!p)
        cout << "allocation of memory failed\n";
    else {
        *p = 3335;
        cout << "Value of p: " << *p << endl;
    }

    float* r = new float(33.35);

    cout << "Value of r: " << *r << endl;
    int n = 7;
    int* q = new (nothrow) int[n];

    if (!q)
        cout << "allocation of memory failed\n";
    else {
        for (int i = 0; i < n; i++)
            q[i] = i + 1;

        cout << "Value store in block of memory: ";
        for (int i = 0; i < n; i++)
            cout << q[i] << " ";
    }

    delete p;
    delete r;

    delete[] q;

    return 0;
}
```

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## **Output:**

Value of p: 3335

Value of r: 33.35

Value store in block of memory: 1 2 3 4 5 6 7