Remark

Subject : Object Oriented Programming Lab

Name : Pranav Bharat Patil

Roll No. : 45

Class : S.Y.Comp   **Batch : S3**   **Division: B**

Signature

Expt. No. : 08   **Date : 16/10/2024**

Title : To implement program on Dynamic Memory Management

Code:

```cpp
#include <iostream>
using namespace std;
int main()
{
int* m = NULL;
m = new(nothrow) int;
if (!m)
cout << "Allocation of memory failed\n";
else
{
*m=29;
cout<<"Value of m :"<<*m<<endl;
}
float *f=new float (75.25);
cout<<"Value of f :"<<*f<<endl;
int size=5;
int *arr= new(nothrow) int(size);
```

```cpp
if(!arr)
cout<<"Alocation of memory failed\n";
else
{
for (int i=0;i<size;i++)
arr[i]=i+1;

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

}
delete m;
delete f;
delete []arr;
return 0;
}
```

Output:

```
Value of m :29
Value of f :75.25
Value store in block of memory: 1 2 3 4 5

=== Code Execution Successful ===
```