**Segmentation fault:**

**What:**

Core Dump/Segmentation fault is a specific kind of error caused by accessing memory that “does not belong to you.”

* When a piece of code tries to do read and write operation in a read only location in memory or freed block of memory, it is known as core dump.
* It is an error indicating memory corruption.

**#01\_Pgm**

#include<iostream>

using namespace std;

int main()

{

int \*ptr = NULL;

cout << "ptr " << \*ptr << endl;

}

**#02\_Pgm**

#include<iostream>

using namespace std;

int main()

{

int \*ptr = new int;

delete ptr;

delete ptr;

}

**#03\_Pgm**

#include<iostream>

using namespace std;

int main()

{

int arr[1];

arr[2] = 10;

}

**#04\_Pgm**

#include<iostream>

using namespace std;

int main()

{

int \*ptr = NULL;

delete ptr;

\*ptr = 10;

}