9-01: What is copy constructor? Explain with example.

## 501:

A copy constructor is a constructor that is used to copy or initialize the value of one object into another object is called copy constructor.

## Example:

ttionclude Liostream> using namespace std;

class base ? int a, b;

public:

ыме(ыме 2,0ы) { azoы;а; b=0ы;ы;

3

void show of

cont22 a 22 " "22 b22 end];

3

m- main 02

base obj1 (10, 20);

base obj2(obj1); 11 copy constructor.

062. 5how();

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9-02: Why we use exception handling? How would you handle exceptions for a division error? Explain with the sample code.

## 5019

Exception handling in early a process to handle runtime errors. We perform exception handling So the normal flow of the application can be maintained even after runtime errors.

In coe, exception is an event or object which is thrown at runtime. All exception are derived from std:: exception class. It is runtime error which can be handled. If we donot handle the exception, it prints exception message and terminates the program.

In cpp there is 3 keyword to person exception

1) try.

11) Catch and

111) throw

```
#include Liostreams
 using namespace std;
int main () 2
  try ?
     int- a, b;
     cin>)a>> b;
     if(b==0) }
           throw -1;
    double ans 2 (double) as 6;
    cont 22 ans 22 endl;
eatche int- x) }
  cout-LL" Divided by zero is not possible" Le end!;
```