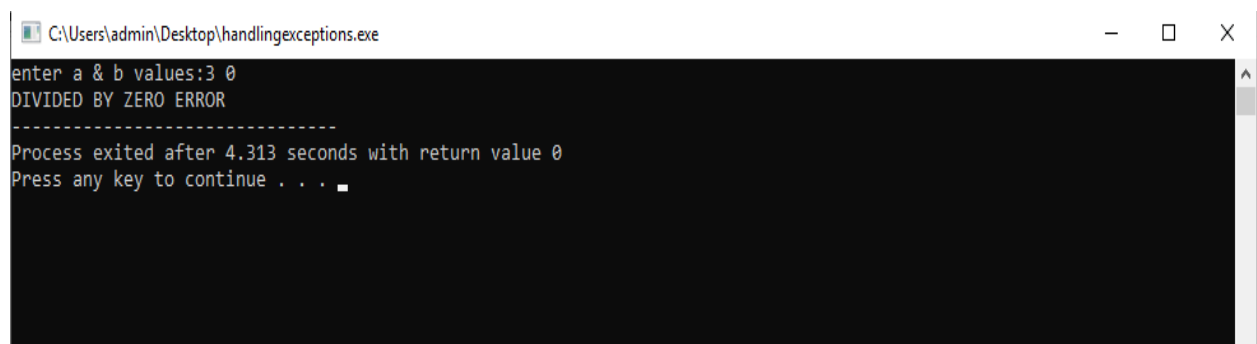


PROGRAM:

```
#include<iostream>
using namespace std;
int main()
{
    try
    {
        int a,b;
        cout<<"enter a & b values:";
        cin>>a>>b;
        if(b==0)
        {
            throw b;
        }
        else
        {
            cout<<a/b;
        }
    }
    catch(int x)
    {
        cout<<"DIVIDED BY ZERO ERROR";
    }
    return 0;
}
```

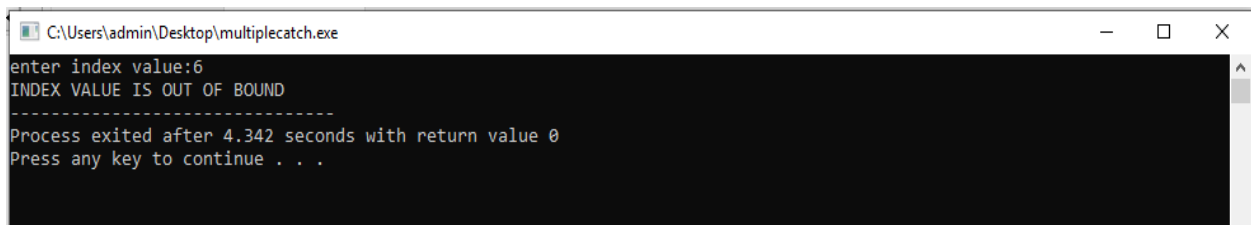
OUTPUT:

```
C:\Users\admin\Desktop\handlingexceptions.exe
enter a & b values:3 0
DIVIDED BY ZERO ERROR
-----
Process exited after 4.313 seconds with return value 0
Press any key to continue . . .
```

PROGRAM:

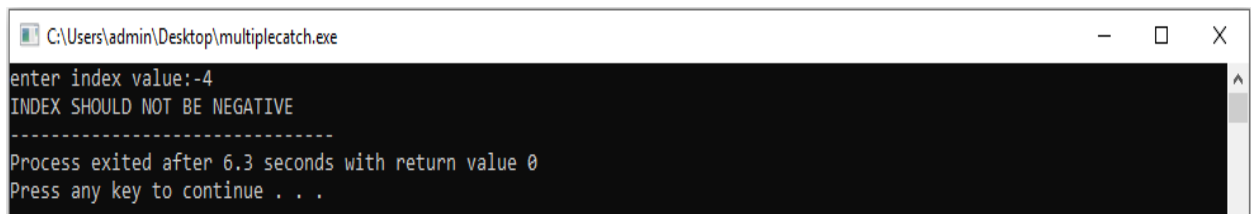
```
#include<iostream>
using namespace std;
int main()
{
    try
    {
        int a[5]={1,2,3,4,5};
        int index;
        cout<<"enter index value:";
        cin>>index;
        if(index>=5)
            throw index;
        else if(index<0)
            throw "INDEX SHOULD NOT BE NEGATIVE";
        else
        {
            a[index]=100;
            cout<<a[index];
        }
    }
    catch(int x)
    {
        cout<<"INDEX VALUE IS OUT OF BOUND";
    }
    catch(const char *m)
    {
        cout<<m;
    }
    return 0;
}
```

OUTPUT 1:



```
C:\Users\admin\Desktop\multiplecatch.exe
enter index value:6
INDEX VALUE IS OUT OF BOUND
-----
Process exited after 4.342 seconds with return value 0
Press any key to continue . . .
```

OUTPUT 2:



```
C:\Users\admin\Desktop\multiplecatch.exe
enter index value:-4
INDEX SHOULD NOT BE NEGATIVE
-----
Process exited after 6.3 seconds with return value 0
Press any key to continue . . .
```