

CHANDIGARH UNIVERSITY

UIC

OOPs LAB PRACTICAL

Practical No. – 7.(i)

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Group :- II

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Submitted to:- Prof. Dr Kirti Walia

Practical 7.i)

(i) Perform exception handling for Divide by zero Exception

Ans)

Code :-

```
#include <iostream>
```

```
using namespace std;
```

```
class abc{    //creating class
```

```
    int a,b;    //private members
```

```
    public:
```

```
        void fun(){    //function for taking values
```

```
            cout<<"Enter values of a & b: "<<endl;
```

```
            cin>>a>>b;
```

```
        }
```

```
    int geta(){    //function returns a
```

```
        return a;
```

```
    }
```

```
    int getb(){    //function returns b
```

```
        return b;
```

```
    }
```

```
};
```

```
int main() {
```

```
    abc a;    //creating object
```

```
a.fun(); //calling function
```

```
//using try block for exception
```

```
try{
```

```
if( ( a.geta() - a.getb() )!=0 ){ //exception can be generated here
```

```
cout<<"Result: "<<( a.geta() / (a.geta() - a.getb() ) )<<endl;
```

```
}
```

```
else{
```

```
throw( a.geta() - a.getb() ); //using throw
```

```
}
```

```
}
```

```
catch(int x){ // using catch to catch the exception thrown
```

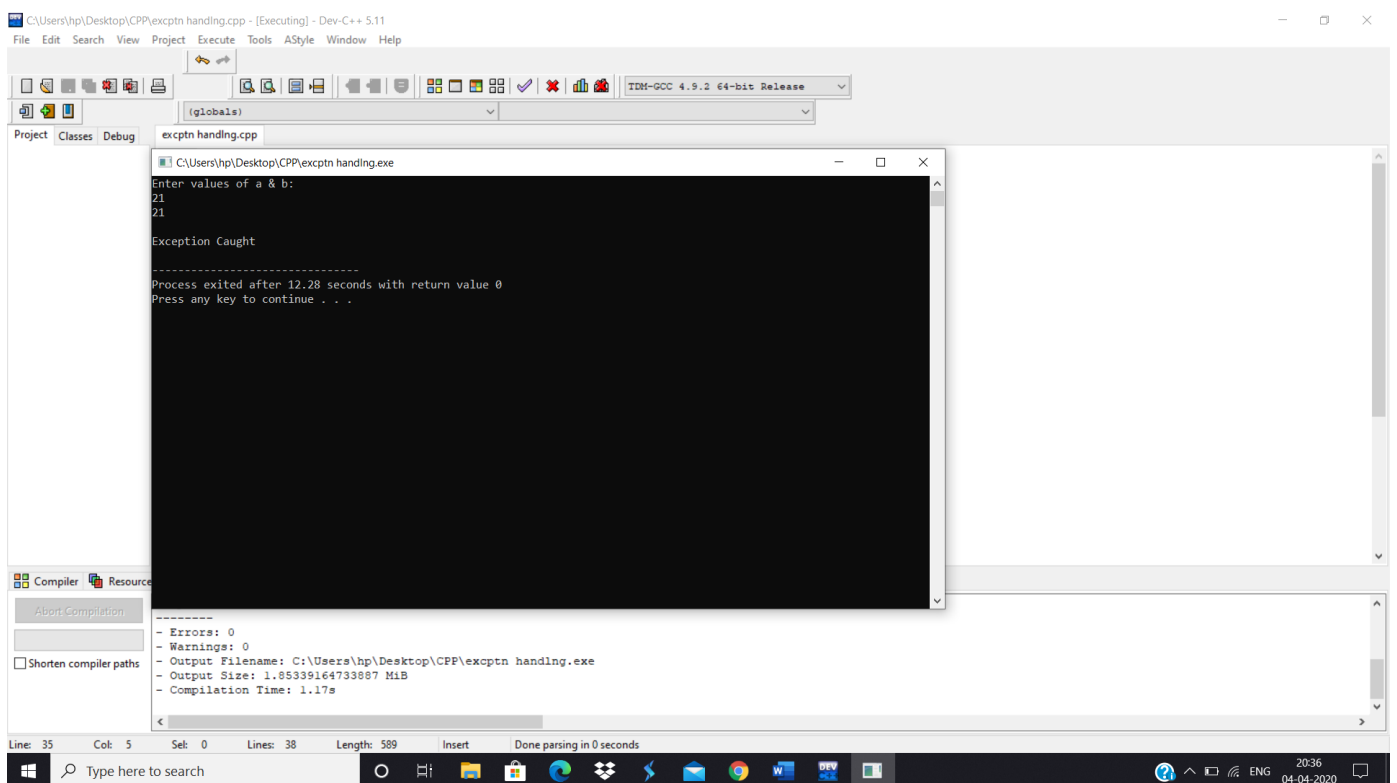
```
cout<<endl<<"Exception Caught"<<endl;
```

```
}
```

```
return 0;
```

```
}
```

OUTPUT:-



```
C:\Users\hp\Desktop\CPP\excpn handling.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help

(excpn handling)
Project Classes Debug excpn handling.cpp

C:\Users\hp\Desktop\CPP\excpn handling.exe
Enter values of a & b:
21
21
Exception Caught
.....
Process exited after 12.28 seconds with return value 0
Press any key to continue . . .

Compiler Resource
About Compilation
Shorten compiler paths

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hp\Desktop\CPP\excpn handling.exe
- Output Size: 1.85339164733887 MiB
- Compilation Time: 1.17s

Line: 35 Col: 5 Sel: 0 Lines: 38 Length: 589 Insert Done parsing in 0 seconds
Type here to search
```