

Practical-9.(a)

Aim:Write a C++ program to implement the exception handling with multiple catch statements.

Algorithm:(i)Start

(ii) Declare and define the function test().

(iii) Within the try block check whether the value is greater than zero or not.

(iv) Read the integer and character values for the function test().

(v)Stop

Theory:In this practical,we will see a C++ program to implement the exception handling with multiple catch statements.

Program:

```
#include <iostream>
```

```
void test(int x)
```

```
{
```

```
    try
```

```
    {
```

```
        if(x==1)
```

```
            throw x;
```

```
        else
```

```
    if(x==-1)
        throw 1.0;
    std::cout<<"End of try-black\n";
}
catch(char c)
{
    std::cout<<"Caught a Character\n";
}
catch(int c)
{
    std::cout<<"Caught an integer\n";
}
catch(double c)
{
    std::cout<<"Caught a Double\n";
}
std::cout<<"End of try-catch system\n";
}

int main(){
    std::cout<<"08_Rabin Nadar"<<std::endl;
    std::cout<<"Testing Multiple Catches\n";
```

```
std::cout<<"x==1\n";  
test(1);  
std::cout<<"x==0\n";  
test(0);  
std::cout<<"x==2\n";  
test(2);  
return 0;  
}
```

Output:

Output

```
/tmp/w1Zdrsw0q2.o  
08_Rabin Nadar  
Testing Multiple Catches  
x==1  
Caught an integer  
End of try-catch system  
x==0  
End of try-black  
End of try-catch system  
x==2  
End of try-black  
End of try-catch system  
|
```

Conclusion:

We have successfully written the code and executed it.