Q1

#include<iostream>

using namespace std;

int main()

{

    int n;

    char ch;

    double r;

    cout<<"enter the integer value  ";

    cin>>n;

    cout<<"enter the char  value  ";

    cin>>ch;

    cout<<"enter the double value  ";

    cin>>r;

    try{

        try{

            try{

                throw n;

            }

            catch(int c){

                cout<<"\nits integer\n";

                throw ch;

                }

        }

        catch(char c)

        {

            cout<<"\nits char\n";

            throw r;

        }

    }

    catch(double d)

    {

        cout<<"\nits double\n";

    }

    cout<<"end";

}

//     try{

//         cout<<"enter the integer value";

//         cin>>n;

//         throw n;

//          cout<<"enter the char  value";

//         cin>>ch;

//         throw ch;

//          cout<<"enter the double value";

//         cin>>r;

//         throw r;

//     }

//     catch(int c){cout<<"\nits integer\n";}

//     catch(char rrc){cout<<"\nits char\n";}

//     catch(double r){cout<<"\nits double\n";}

//     try{

//          cout<<"enter the char  value";

//         cin>>ch;

//         throw ch;

//     }

//     catch(int c){cout<<"\nits integer\n";}

//     catch(char rrc){cout<<"\nits char\n";}

//     catch(double r){cout<<"\nits double\n";}

//     try{

//          cout<<"enter the double value";

//         cin>>r;

//         throw r;

//     }

//     catch(int c){cout<<"\nits integer\n";}

//     catch(char rrc){cout<<"\nits char\n";}

//     catch(double r){cout<<"\nits double\n";}

//     cout<<"end";

// }

Q2

Try block entered.

Exception thrown with

Wait\_time equal to 46 after catch block.

Q3

Try block entered.

Leaving try block.

After catch block.

Q4

When throw statement is executed then it is jumps to catch ad matches the parameter with corresponding catch and if the correct catch block the that catch block is executed otherwise it terminate the program.

Q5

Trying

Starting sample\_function.

Catching.

End of program.

Q6

Trying

Starting sample\_function.

Trying after call

End of program.

Q7

The program got terminated

Q8 yes

Q9

CaughtOne CaughtOne CaughtString CaughtOne

Q10

MyException caught

C++ Exception