

```

public class tryclass
{
public static void ex()
{
    list<contact> conlist=new list<contact>{
        new contact (firstname='radha',lastname='sharma',email='r@gmail.com'),
        new contact (firstname='AMit',lastname='verma',email='ar@gmail.com'),
        new contact (firstname='rahul',lastname='mehra',email='ra@gmail.com')
    };
    try
    {
        insert conlist;
    }
    catch(dmlexception e)
    {
        system.debug('Handle error message '+e.getMessage());
        system.debug('Handle error message '+e.getLineNumber());
    }
    finally
    {
        system.debug('finally block always raise');
    }

}

}

```

.....

```

public class tryclass
{
    public static string snw;
    public static void ex()
    {
        list<contact> conlist=new list<contact>{
            new contact (firstname='radhika',lastname='sharma',email='rak@gmail.com'),
            new contact (firstname='AMita',lastname='verma',email='ammr@gmail.com'),
            new contact (firstname='rani',email='rasd@gmail.com')
        };
        try
        {
            insert conlist;
        }

        catch(dmlexception e)
        {
            system.debug('Handle error message '+e.getmessage());
            system.debug('Handle error line number '+e.getlinenumber());
        }
        try
        {
            snw.toLowerCase(); //snw have no value  what is the value of snw is null
        }
        catch(nullpointerexception n)
        {
            system.debug('Handle error of string '+n.getmessage());
            system.debug('Handle error line of string '+n.getlinenumber());
        }
    }
}

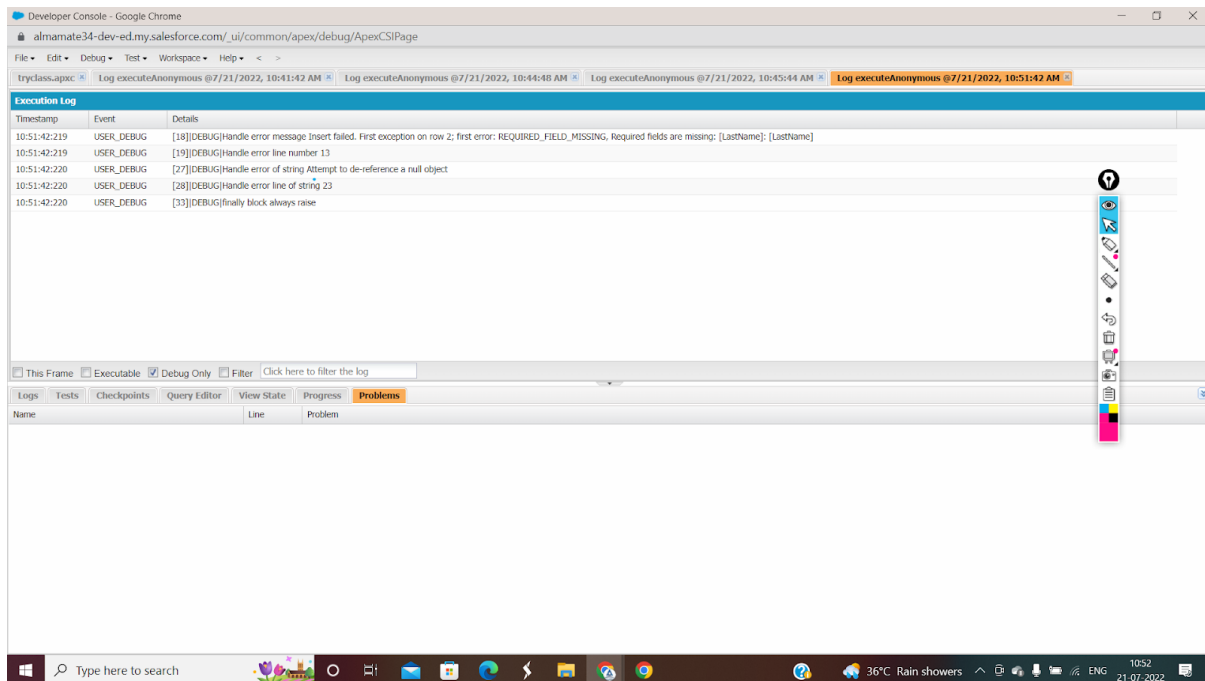
```

finally

```
{  
    system.debug('finally block always raise');  
}
```

```
}
```

```
}
```



```
public class tryclass
```

```
{  
    public static string snew;
```

```
    public static void ex()
```

```
{
```

```

list<contact> conlist=new list<contact>{
    new contact (firstname='radhika',lastname='sharma',email='rak@gmail.com'),
    new contact (firstname='AMita',lastname='verma',email='ammr@gmail.com'),
    new contact (firstname='rani',email='rasd@gmail.com')
};

try
{
    insert conlist;
    snw.toLowerCase();

}

catch(dmlexception e)
{
    system.debug('Handle error message '+e.getMessage());
    system.debug('Handle error line number '+e.getLineNumber());
}

/* try
{
    snw.toLowerCase(); //snw have no value what is the value of snw is null
}*/

catch(nullpointerexception n)
{
    system.debug('Handle error of string '+n.getMessage());
    system.debug('Handle error line of string '+n.getLineNumber());
}

finally
{

```

```

        system.debug('finally block always raise');
    }

}

}

```

Program on Database Insert Method

```

.....

public class dbclass
{

    public static void insdb()
    {
        list<contact> conlist=new list<contact>{
            new contact (firstname='radhika',lastname='sharma',email='rak@gmail.com'),
            new contact (firstname='AMita',lastname='verma',email='ammr@gmail.com'),
            new contact (firstname='rani',email='rasd@gmail.com')
        };

        database.saveresult[] results=database.insert(conlist,false);
        for(database.saveresult sr:results)
        {
            if(sr.isSuccess())
            {
                system.debug('Get the record id of all '+sr.getid());
            }
        }
    }
}

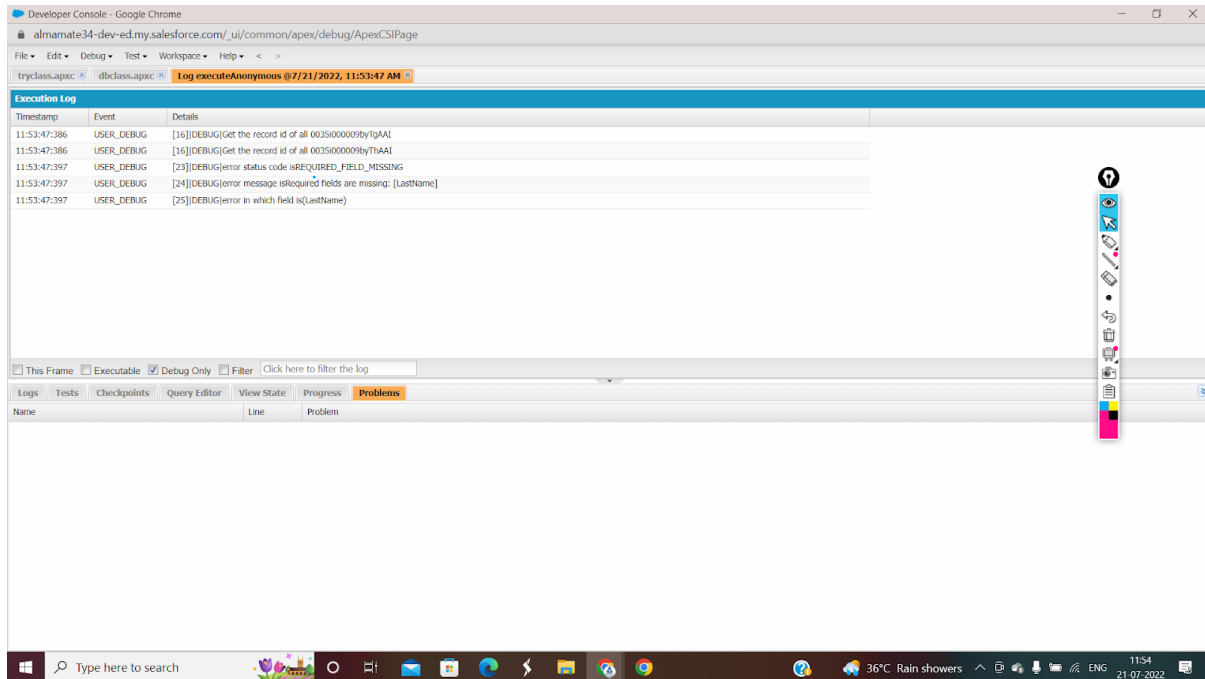
```

```
else
{
    database.error[] err=sr.geterrors();
    for(database.error e:err)
    {
        system.debug('error status code is'+e.getStatusCode());
        system.debug('error message is'+e.getMessage());
        system.debug('error in which field is'+e.getfields());
    }

}

}

}
}
```



Program

public class dbclass

{

public static void insdb()

{

list<contact> conlist=new list<contact>{

new contact (firstname='radhika',lastname='sharma',email='rak@gmail.com'),

new contact (firstname='AMita',lastname='verma',email='ammr@gmail.com'),

new contact (firstname='rani',email='rasd@gmail.com')

};

database.saveresult[] results=database.insert(conlist,false);

for(database.saveresult sr:results)

{

if(sr.isSuccess())

{

```

        system.debug('Get the record id of all '+sr.getid());
    }
    else
    {
        database.error[] err=sr.geterrors();
        for(database.error e:err)
        {
            system.debug('error status code is'+e.getStatusCode());
            system.debug('error message is'+e.getMessage());
            system.debug('error in which field is'+e.getFields());
        }
    }

}

}

}

public static void delldb()
{
    list<account> aclist=[select name from account where name in('fresh','techmax','sforce')];

    database.deleterresult[] results=database.delete(aclist,false);
    for(database.deleterresult sr:results)
    {
        if(sr.isSuccess())
        {
            system.debug('Get the record id of all '+sr.getid());
        }
    }
}

```



```

    }
    else
    {
        database.error[] err=sr.geterrors();
        for(database.error e:err)
        {
            system.debug('error status code is'+e.getStatusCode());
            system.debug('error message is'+e.getMessage());
            //system.debug('error in which field is'+e.getfields());
        }
    }

}

```

```

}
}

```

Task: predefined exception

Task :Update result [database]