

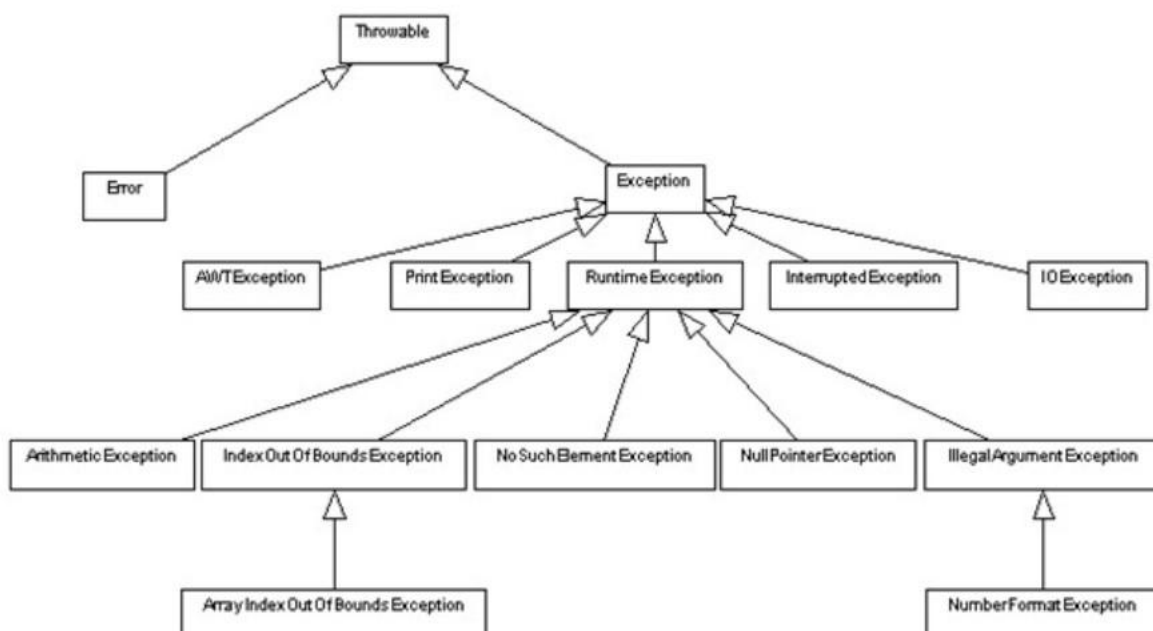
IoT Based Safety Gadget for Child Safety Monitoring and Notification

Exception Handling:

Exceptions: Exceptions are raised when the program is syntactically correct, but the code resulted in an error. This error does not stop the execution of the program, however, it changes the normal flow of the program.

Syntax Error: As the name suggests this error is caused by the wrong syntax in the code. It leads to the termination of the program.

Exception Hierarchy



Exception Handling syntax

```
try
{
    statements
}

catch (Exception class object)
{
    statements
}

finally
{
    //Close file handles
    //Free the resources
}
```



```
File Edit View Insert Runtime Tools Help All changes saved
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RAM Disk
Editing
{
    "auth": {
        "token": "12345678"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    name= "smartbridge"
    #in area location

    #latitude= 17.4225176
    #longitude= 78.5458842

    #out area location

    latitude= 17.4219272
    longitude= 78.5488783
    myData={'name': name, 'lat': latitude, 'lon': longitude}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None )
    print("Data published to IBM Iot platform: ",myData)
    time.sleep(5)

client.disconnect()

File "<ipython-input-2-62fec26ef73b2>", line 29
myData={'name': name, 'lat': latitude, 'lon': longitude}
      ^
SyntaxError: invalid syntax

SEARCH STACK OVERFLOW
0s completed at 13:49
```

Here we have syntax error in our program this can be resolved by using the Debugging process.