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| **Team id** | PNT2022TMID31875 |
| **Project Name** | **IoT based safety gadget for child safety monitoring and notification** |

**Final code:**

**import random as rand**

**import time**

**import ibmiotf.application**

**import ibmiotf.device**

**import sys**

**import imdb**

**#defining credentials of device**

**organization = "aa13kc"**

**deviceType = "Vijay2001"**

**deviceId = "1234567"**

**authMethod = "token"**

**authToken = "Yd-6ozY-S6BLhM0vkw"**

**def myCommandCallback(cmd):**

**print("Command received: %s" % cmd.data['command'])**

**try:**

**deviceOptions = {"org" : organization, "type": deviceType, "id" : deviceId, "auth-method" : authMethod, "auth-token" : authToken}**

**deviceCli = ibmiotf.device.Client(deviceOptions)**

**except Exception as e:**

**print("Caught exception connecting device: %s" %str(e))**

**sys.exit()**

**deviceCli.connect()**

**while True:**

**name= "Child Location"**

**#latitude= 10.908532**

**#longitude= 76.979312**

**latitude= 10.952114**

**longitude= 76.956643**

**data = {'name':name,'lat' : latitude,**

**'lon': longitude}**

**def myOnPublishCallback():**

**print("Published all data to IBM Watson :",latitude," ,",longitude)**

**success = deviceCli.publishEvent("Iottracker","json",data,qos=0,on\_publish=myOnPublishCallback)**

**if not success:**

**print("Not connected to IoT Device")**

**time.sleep(10)**

**deviceCli.commandCallback = myCommandCallback**

**deviceCli.disconnect()**