Assignment-2

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| Date | 22September2022 |
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| ProjectName | Industry-SpecificIntelligentFireManagementSystem |

Python programming

Buildapythoncode,Assumeugettemperatureandhumidityvalues(generated withrandomfunctiontoavariable)andwriteaconditiontocontinuouslydetect alarmincaseofhightemperature.

importrandom fromtimeimport sleepdefgenerate\_va lues():

temperature=random.randint(20, 50)humidity=random.randint(10, temperature)returnhumidity, temperature

humidity=temperature

=0whiletemperature<50: humidity,temperature= generate\_values()print('Humidity:',humidity,

'Temperature:',temperature)sleep(0.50) print('HighTemperatureDetected')

OUTPUT:

Humidity:23Temperature:49

Humidity:27Temperature:42

Humidity:18Temperature:28

Humidity:20Temperature:22

Humidity:36Temperature:36

Humidity:29Temperature:47

Humidity:22Temperature:34

Humidity:27Temperature:29

Humidity:15Temperature:30

Humidity:19Temperature:47

Humidity:29Temperature:39

Humidity:21Temperature:22

Humidity:18Temperature:30

Humidity:18Temperature:20

Humidity:24Temperature:29

Humidity:26Temperature:27

Humidity:19Temperature:33

Humidity:16Temperature:23

Humidity:21Temperature:48

Humidity:21Temperature:21

Humidity:34Temperature:43

Humidity:25Temperature:42

Humidity:26Temperature:27

Humidity:20Temperature:25

Humidity:11Temperature:47

Humidity:28Temperature:50

HighTemperatureDetected

