

## ASSIGNMENT-2.

MAHENDRA ENGINEERING COLLEGE FOR WOMEN

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CLASS: IV CSE

SUBJECT: IBM

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Build a python code, assume that temperature and humidity values generated with random function to a variable and write a condition to continuously detect alarm in case of high temperature.

```
temp=float(input("enter a temperature"))
humidity=float(input("enter a humidity"))
hi =0.5 *(temp+61.0+((temp-68.0)*1.2) + (humidity*0.094))
roomtemperature=(temp-32)/1.8

if hi<=96:
    print("%0.1f is room temperature and %0.1f is humidity"%(roomtemperature, hi) )
else:
    print("over heat")
```



**OUTPUT**

**enter a temperature 2567**

**2567**

**enter a humidity 3456**

**3456**

**over heat**