

Assignment -2

Smart Farmer - IoT Enabled Smart Farming Application

Assignment date	22 September 2002
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Maximum Marks	2 Marks

Assignment 2:

Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

Program ;

```
import random
```

```
while(True):
```

```
a=random.randint(10,99)
```

```
b=random.randint(10,99)
```

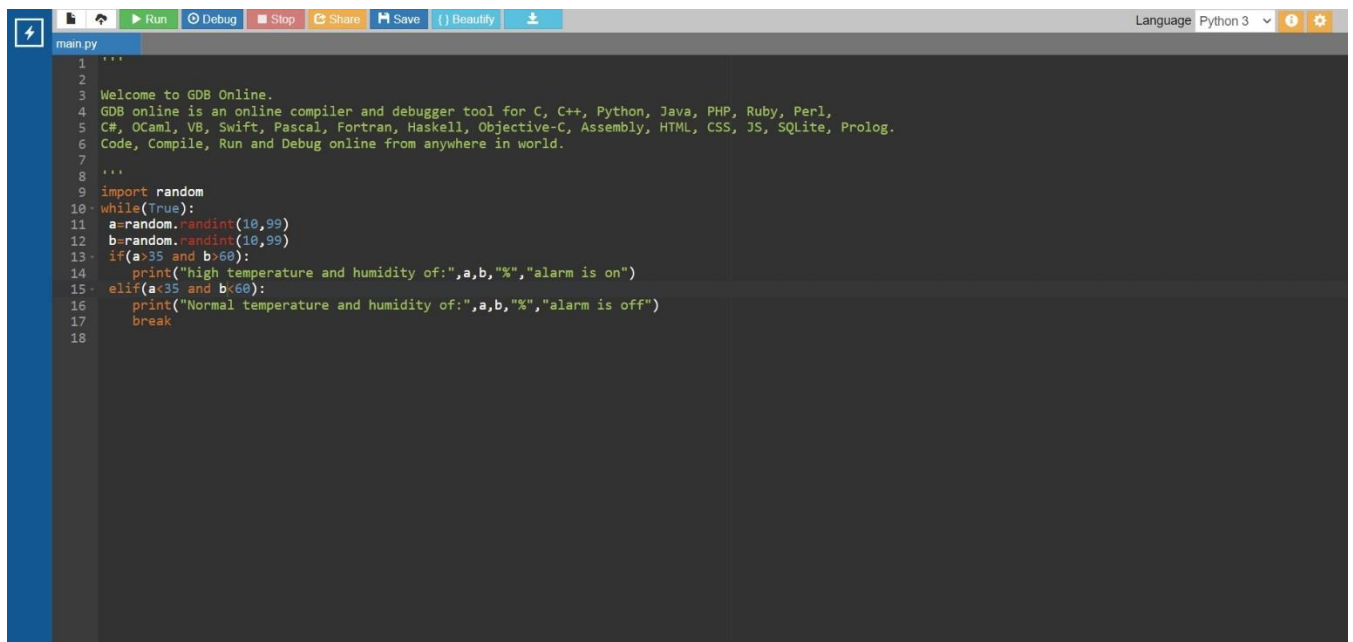
```
if(a>35 and b>60):
```

```
    print("high temperature and humidity of:",a,b,"%", "alarm is on")
```

```
elif(a a<60):
```

```
    print("Normal temperature and humidity of:",a,b,"%", "alarm is off")
```

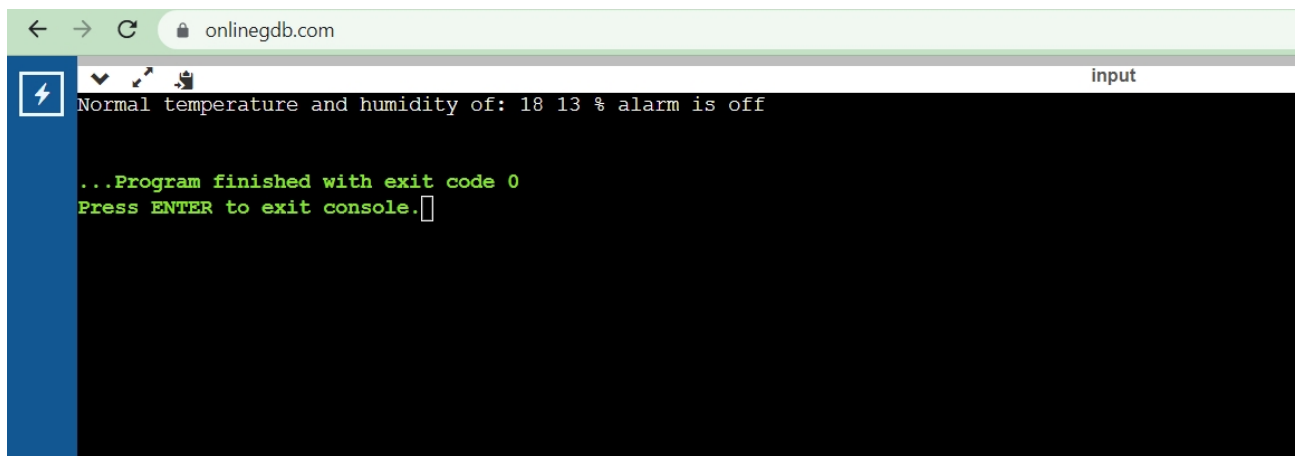
```
break
```



The screenshot shows the onlinegdb.com code editor interface. The top toolbar includes icons for Run, Debug, Stop, Share, Save, and Beautify. The language is set to Python 3. The code in the editor is as follows:

```
1 '''
2 Welcome to GDB Online.
3 GDB online is an online compiler and debugger tool for C, C++, Python, Java, PHP, Ruby, Perl,
4 C#, OCaml, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS, SQLite, Prolog.
5 Code, Compile, Run and Debug online from anywhere in world.
6 '''
7
8
9 import random
10 while(True):
11     a=random.randint(10,99)
12     b=random.randint(10,99)
13     if(a>35 and b>60):
14         print("high temperature and humidity of:",a,b,"%","alarm is on")
15     elif(a<35 and b<60):
16         print("Normal temperature and humidity of:",a,b,"%","alarm is off")
17         break
18
```

OUTPUT:



The screenshot shows the console output of the program on the onlinegdb.com website. The browser address bar shows 'onlinegdb.com'. The console output is as follows:

```
Normal temperature and humidity of: 18 13 % alarm is off

...Program finished with exit code 0
Press ENTER to exit console.
```