

Assignment -2

Smart Farmer - IoT Enabled Smart Farming Application

Assignment date	13 Nov 2022
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Maximum mark	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)
```

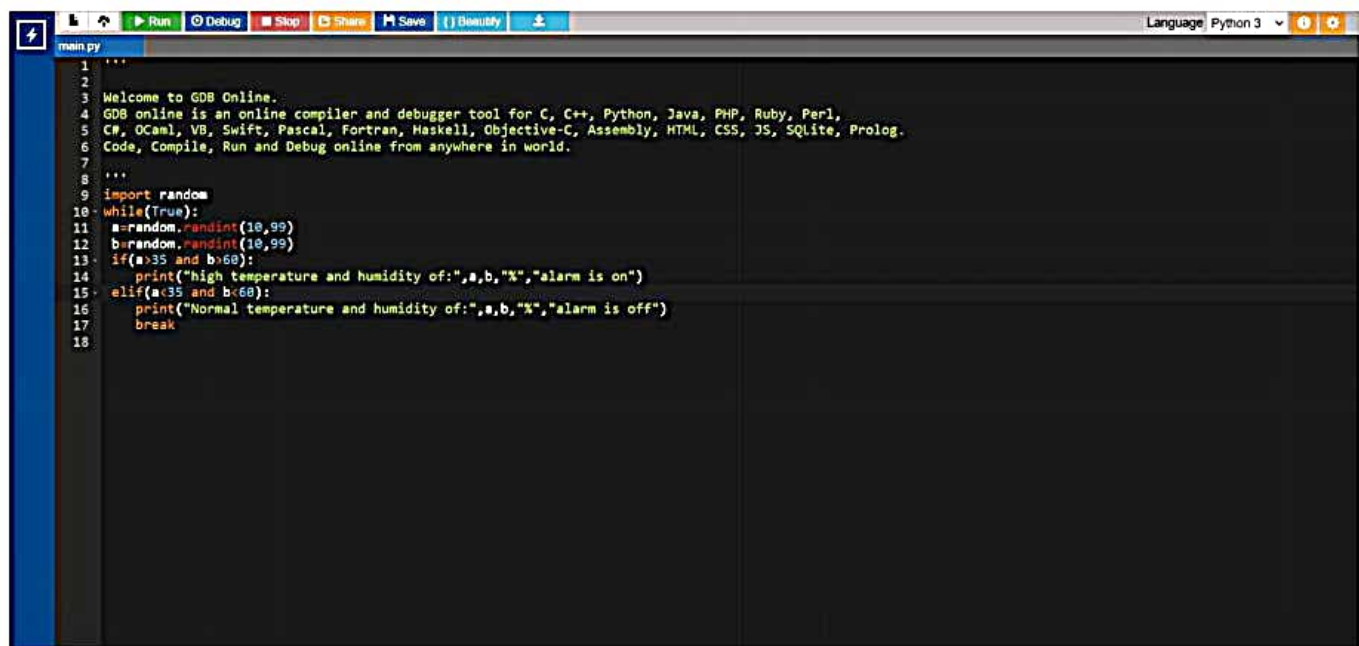
```
    if(a>35 and b>60):
```

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

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

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

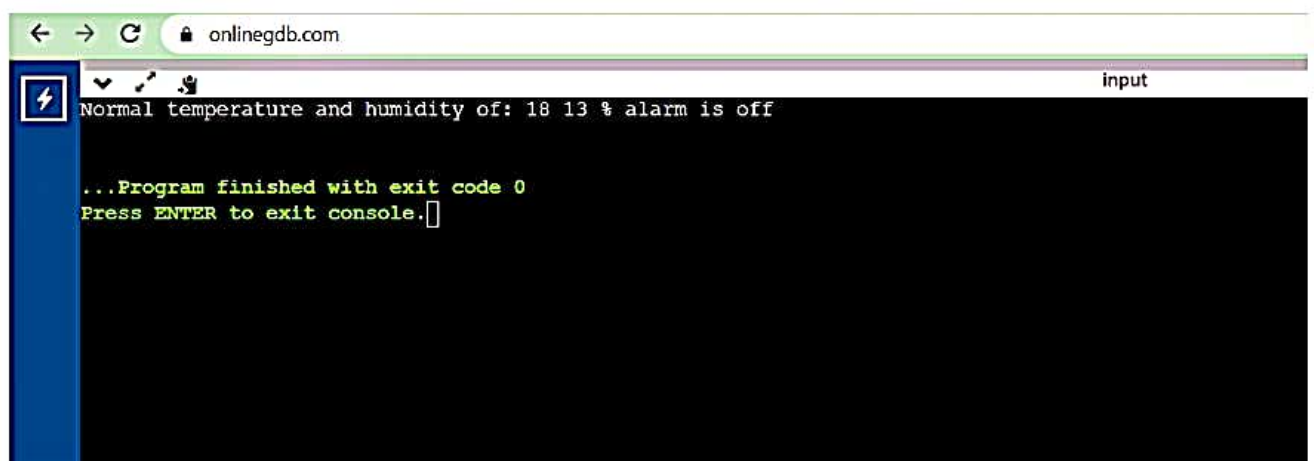
```
break
```



The screenshot shows the onlinegdb.com code editor interface. The top toolbar includes buttons for Run, Debug, Stop, Share, Save, and a Beautify button. 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 displays the following output:

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

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