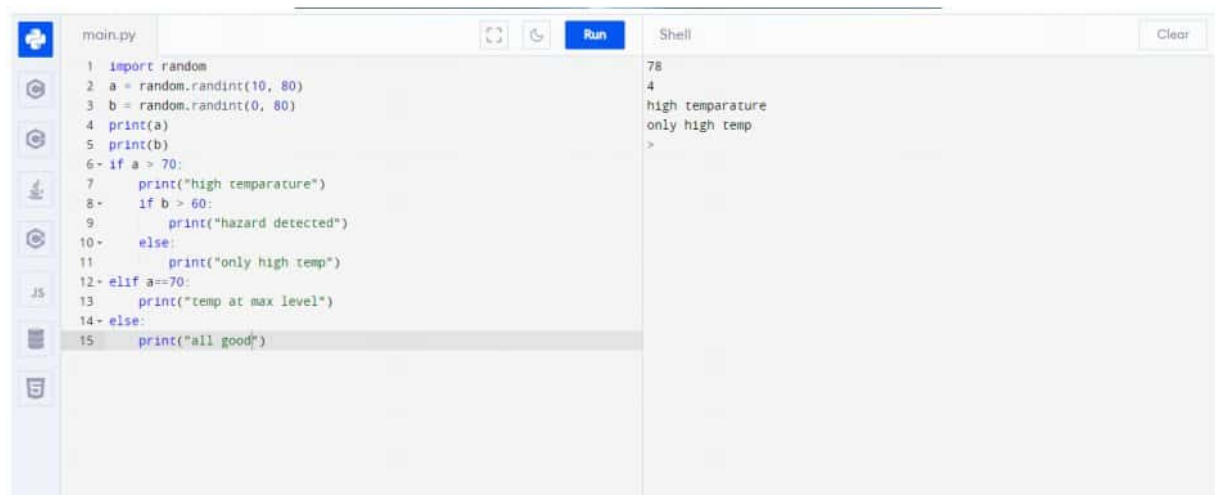


## Assignment -2

```
import random
a = random.randint(10, 80)
b = random.randint(0, 80)
print(a)
print(b)
if a > 70:
    print("high temperature")
    if b > 60:
        print("hazard detected")
    else:
        print("only high temp")
elif a==70:
    print("temp at max level")
else:
    print("all good")
```

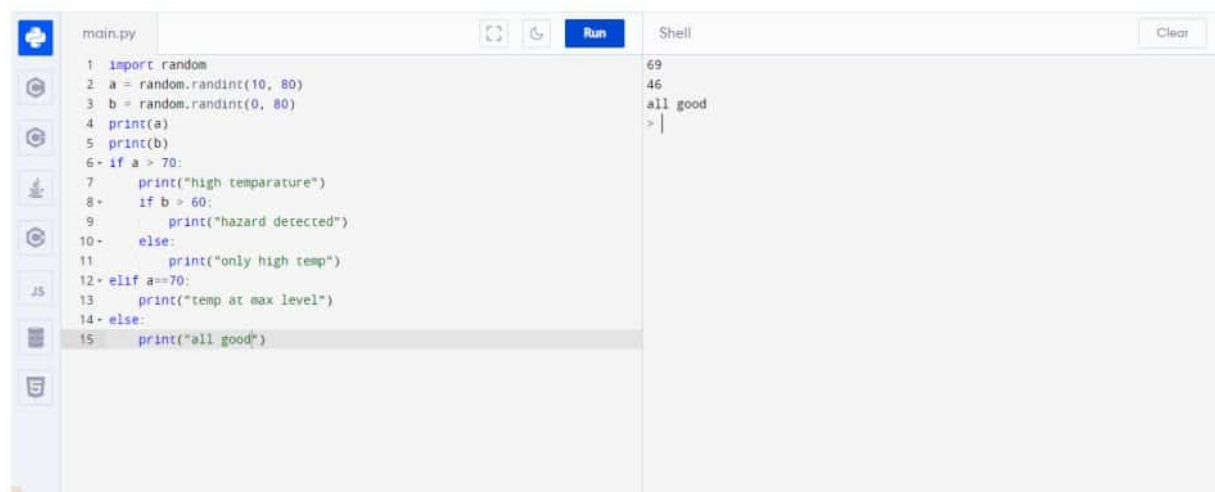


The screenshot shows a code editor with a file named 'main.py'. The code is a Python script that generates random values for 'a' and 'b' and prints them. It then uses conditional logic to print messages based on the values of 'a' and 'b'. The 'Run' button is highlighted in blue. The 'Shell' pane on the right shows the output of the script.

```
1 import random
2 a = random.randint(10, 80)
3 b = random.randint(0, 80)
4 print(a)
5 print(b)
6- if a > 70:
7     print("high temperature")
8-     if b > 60:
9         print("hazard detected")
10-    else:
11        print("only high temp")
12- elif a==70:
13    print("temp at max level")
14- else:
15    print("all good")
```

Shell output:

```
78
4
high temperature
only high temp
>
```

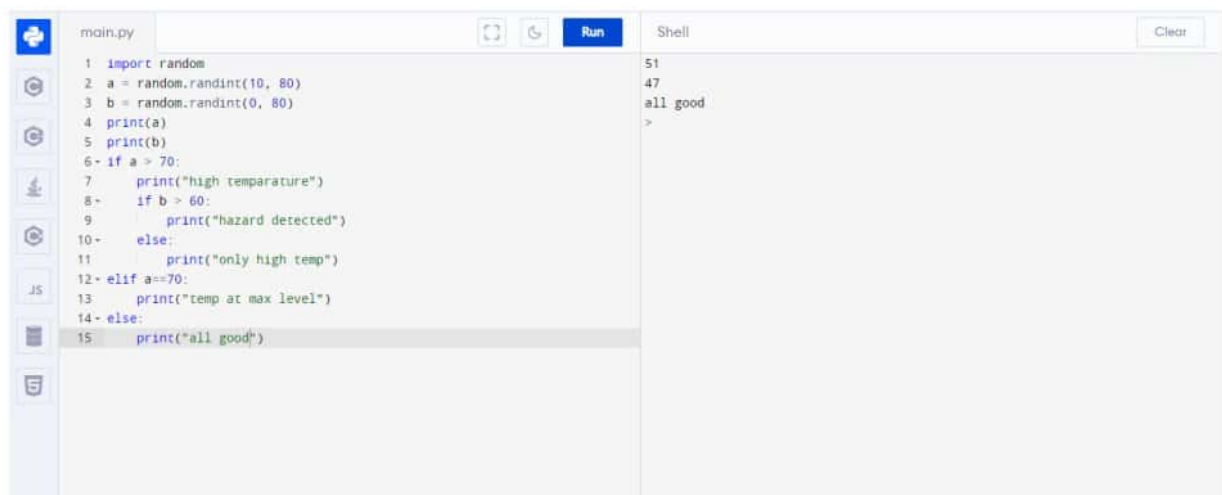


The screenshot shows the same code editor with the same Python script. The 'Run' button is highlighted in blue. The 'Shell' pane on the right shows the output of the script for a different set of random values.

```
1 import random
2 a = random.randint(10, 80)
3 b = random.randint(0, 80)
4 print(a)
5 print(b)
6- if a > 70:
7     print("high temperature")
8-     if b > 60:
9         print("hazard detected")
10-    else:
11        print("only high temp")
12- elif a==70:
13    print("temp at max level")
14- else:
15    print("all good")
```

Shell output:

```
69
46
all good
>
```

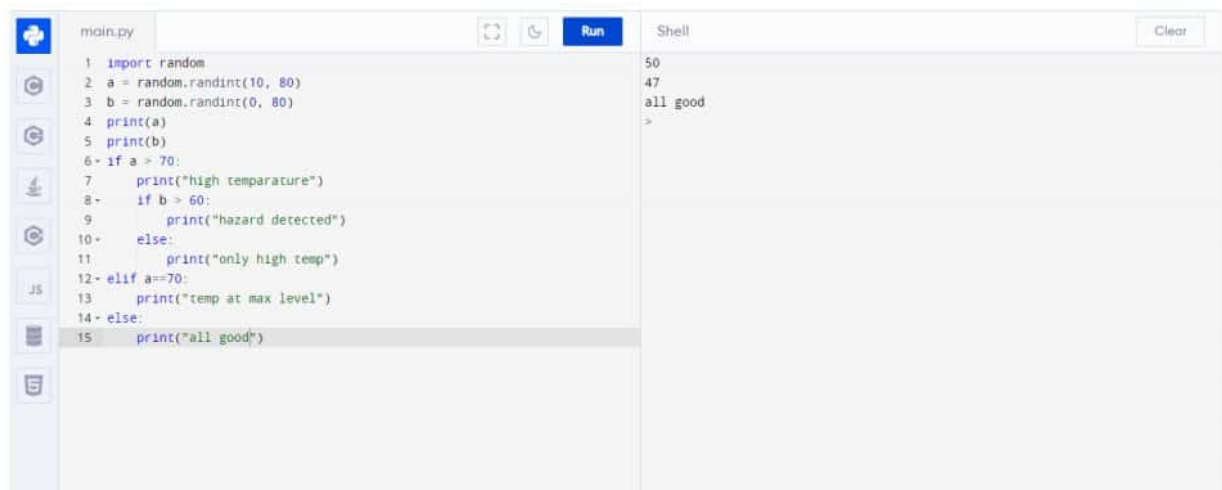


The screenshot shows a code editor with a file named 'main.py'. The code is as follows:

```
1 import random
2 a = random.randint(10, 80)
3 b = random.randint(0, 80)
4 print(a)
5 print(b)
6 if a > 70:
7     print("high temperature")
8     if b > 60:
9         print("hazard detected")
10    else:
11        print("only high temp")
12 elif a==70:
13     print("temp at max level")
14 else:
15     print("all good")
```

The 'Run' button is highlighted. The 'Shell' pane on the right shows the output of the program:

```
51
47
all good
>
```



The screenshot shows the same code editor with the file 'main.py' and the same Python code as above. The 'Run' button is highlighted. The 'Shell' pane on the right shows the output of the program:

```
50
47
all good
>
```