

1.

```
x = 0
```

```
a = 5
```

```
b = 5
```

```
if a > 0 :
```

```
    if b < 0:
```

```
        x = x + 5
```

```
    elif a > 5:
```

```
        x = x + 4
```

```
    else:
```

```
        x = x + 3
```

```
else:
```

```
    x = x + 2
```

```
print(x)
```

Result: 3

2.

```
NUM1 = 50
```

```
NUM2 = 500
```

```
if NUM1 > NUM2:
```

```
    print("I")
```

```
elif NUM1 == NUM2:
```

```
    print("LOVE")
```

```
else:
```

```
print("PYTHON")
```

Result: PYTHON

3.

```
x = 0
```

```
a = 5
```

```
b = -5
```

```
if a > 0:
```

```
    if b < 0:
```

```
        x = x + 5
```

```
    elif a > 5:
```

```
        x = x + 4
```

```
    else:
```

```
        x = x + 3
```

```
else:
```

```
    x = x + 2
```

```
print(x)
```

Result: 5

B.

4.

```
1 Firstname = input("First name: ")
2 Lastname = input("Last name: ")
3 name = (Firstname + " " + Lastname)
4 a = int(input("Salary: "))
5 b = int(input("Rating: "))
6 |
7 - if b == (1):
8     num1 = ((a*10)/100)
9     print("Name: ", name)
10    print("Salary: ", a)
11    print("Rating: ", b)
12    print("Bonus: ", num1)
13 - elif b == (2):
14    num1 = ((a*6)/100)
15    print("Name: ", name)
16    print("Salary: ", a)
17    print("Rating: ", b)
18    print("Bonus: ", num1)
19 - elif b == (3):
20    num1 = ((a*3)/100)
21    print("Name: ", name)
22    print("Salary: ", a)
23    print("Rating: ", b)
24    print("Bonus: ", num1) Run
```

```
25 - else:
26    num1 = ((a*0)/100)
27    print("Name: ", name)
28    print("Salary: ", a)
29    print("Rating: ", b)
30    print("Bonus: ", num1) Run
```

```
⚙️ main.py Shell ▶
First name: mitvh
Last name: rica
Salary: 1625
Rating: 4
Name: mitvh rica
Salary: 1625
Rating: 4
Bonus: 0.0|
>
```

5.



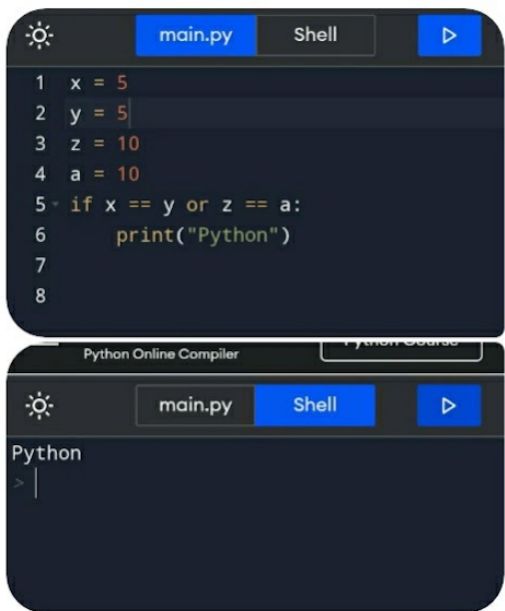
The image displays two screenshots of a Python Online Compiler interface. The top screenshot shows a code editor with the following Python code:

```
1 x = 5
2 y = 5
3 z = 10
4 a = 10
5 if x == y and z == a:
6     print("Python")
7
8
```

The bottom screenshot shows the output of the code, which is "Python", and a shell prompt "> |".

6.

22:48



The image shows a Python Online Compiler interface. The top window, titled 'main.py', contains the following code:

```
1 x = 5
2 y = 5
3 z = 10
4 a = 10
5 if x == y or z == a:
6     print("Python")
7
8
```

The bottom window, titled 'Python Online Compiler', shows the output 'Python' and a prompt '> |'.

7.

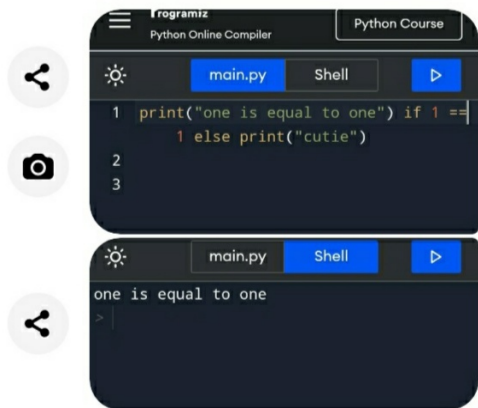


The image shows a Python Online Compiler interface. The top window, titled 'main.py', contains the following code:

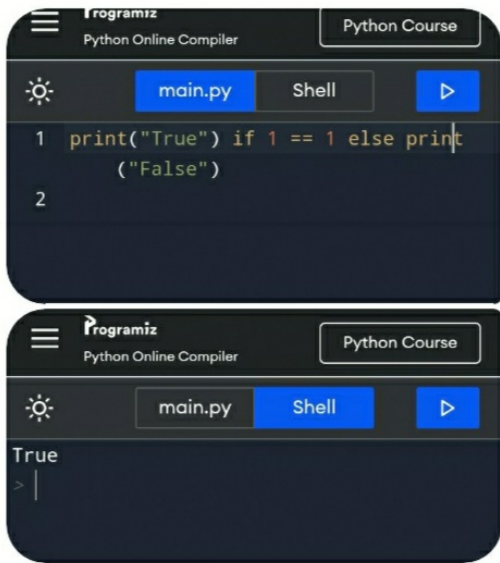
```
1 print("pretty") if 3 == 3 else print
  ("cutie")
2
3
```

The bottom window, titled 'Python Online Compiler', shows the output 'pretty' and a prompt '> |'.

8.



9.



10.

