Exercises - Programming

Program - 01

```
thing='house'
animal='dog'

if thing=='house':
   if animal=='cat':
      print ('This is a cat')
   else:
      print ('I do not know what this animal is')
else:
   print ('I do not know what this thing is')
```

Program - 02

```
var = 100
if var == 200:
   print ("1 - Got a true expression value")
   print (var)
elif var == 150:
   print ("2 - Got a true expression value")
   print (var)
elif var == 100:
   print ("3 - Got a true expression value")
   print (var)
else:
   print ("4 - Got a false expression value")
   print (var)
print ("Good bye!")
```

Program - 03

```python
num = float(input("Enter a number: "))
if num >= 0:
    if num == 0:
        print("Zero")
    else:
        print("Positive number")
else:
    print("Negative number")
```

Program - 04

(1) print (3*4+3)

(2) print (3**4+3*2)

(3) print (4/3+3*2)

(4) print (3*4+3-2+1)

(5) print (4-3*2+4/2+3)

(6) print (3*4+3/3.0+4-1)

(7) print (3*4+3-2*4)

(8) print (2*3+5/2-6%3)

(9) print (7%3+2-1)

(10) print (-4+3-2+5-2)

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