Question **4**

Correct

Mark 0.90 out
of 1.00

⚑ Flag
question

Print all the prime numbers between 100 and 200, with each prime number in a line.

The first 3 line of the output is expected to be:

```
101
103
107
```

Answer: (penalty regime: 10, 20, ... %)

```
 1  def prime(a):
 2      for n in range(2,int(a**0.5)+1):
 3          if a%n==0:
 4              return
 5      print(a)
 6
 7  for number in range(100,201):
 8      prime(number)
 9
10
```

Question **5**

Correct

Mark 1.00 out
of 1.00

⚑ Flag
question

Given an input number n, print the multiplication table, as shown in the examples.

For example:

Test	Input	Result
1	1	1*1=1
2	2	1*1=1 2*1=2 2*2=4

Answer: (penalty regime: 10, 20, ... %)

Reset answer

```
1  n = int(input())
2  for i in range(1,n+1):
3      for j in range(1,i+1):
4          print('{}*{}={}'.format(i,j,i*j),end=' ')
5      print()
6  # YOUR CODE HERE
```

Question **6**

Correct

Mark 1.00 out
of 1.00

⚑ Flag
question

Some numbers are special. A narcissistic number is a number that is the sum of its own digits each raised to the power of the number of digits. E.g., 135 is narcissistic because

$$153 = 1^3 + 3^3 + 5^3$$

where the power 3 is the number of digits of 153.

Write a program that prints all the narcissistic numbers between 100 and 999 (inclusive). Print the numbers in ascending order and in separate lines.

Answer: (penalty regime: 10, 20, ... %)

```
for n in range(100,1000):
    if(n%10)**3+((n%100/10)-(n%10/10))**3+((n%1000/100)-(n%100/100))**3==n:
        print(n)
```