1. **What will the following code print?**

```
for i in range(3):
    print(i, end=", ")
```

Output: _____

---

2. **Which of the following is *not* a valid Python datatype?**
   a) int
   b) list
   c) tuple
   d) character

Output: _____

---

3. **What does the range(5, 10, 2) function return?**
   a) [5, 7, 9]
   b) [5, 6, 7, 8, 9]
   c) [5, 7]
   d) [5, 6, 7]

Output: _____

---

4. **What is the output of this code?**

```
x = 10
while x > 5:
    print(x, end=" ")
    x -= 2
```

Output: _____

---

5. **What is the datatype of the following in Python?**

   data = {1: "one", 2: "two"}

Output: _____

6. **How do you convert a float 3.7 to an integer in Python?**

Output: _____

---

7. **What is the result of float("5.5")?**

Output: _____

---

8. **What is the output of the following?**

   x = 5

   y = 2

   print(x % y)

Output: _____

---

9. **What is the result of this code?**

   for i in range(1, 5):

   if i == 3:

   break

   print(i, end=" ")

Output: _____

---

10. **What will be the output?**

```
num = 15.6
print(int(num))
```

Output: _____

---

11. Problem Statement: Given a number X, print factorial value of the minimum digit in explanation format.

To obtain the factorial of a number, it has to be multiplied by all the whole numbers preceding it. More precisely X! = X*(X-1)*(X-2) … 1.

Note: X is always a positive number.

Examples:

Example 1:
Input: X = 537
Output: 1*2*3 = 6
Explanation: Minimum digit is 3, 3! = 3*2*1

Example 2:
Input: X = 324
Output: 1*2 = 2
Explanation: Minimum digit is 2, 2!=2*1

---

12. **Problem Statement: Given an integer N, print true if all the digits in the given number is prime otherwise print false. A prime number is a number that is only divisible by 1 and itself and the total number of divisors is 2.**

Examples
Example 1:
Input:N = 275
Output:True

Explanation: 2,7 and 5 are prime number .

Example 2:
Input:N =18
Output: False
Explanation: 1 is prime but 8 is not prime.