1. Write a python program that asks the user for a string, then separate the string into words based on hyphen ( - ). **You are not allowed to use split(), count(), find(), replace() or endswith().**

[CO3, CO4, CO6]

[10 marks]

**Sample Input 1:**

I-know-how-to-code

**Sample Output 1:**

I

know

how

to

code

**Explanation 1:**

The word before the first ‘-’ is ‘I’, which is printed first. Similarly, the words before the second, third, and fourth ‘-’ are ‘know’, ‘how’ and ‘to’ which are printed respectively. Finally, there is no ‘-’ at the end, so the remaining word ‘code’ is printed.

**Sample Input 2:**

I-don’t-know-how-to-code-

**Sample Output 2:**

I

don’t

know

how

to

code

**Explanation 2:**

The word before the first ‘-’ is ‘I’, which is printed first. Similarly, the words before the second, third, fourth and fifth ‘-’ are ‘don’t’, ‘know’, ‘how’, ‘to’ and ‘code’ which are printed respectively. There is no word/ character remaining after the last ‘-’

**Sample Input 3:**

ThereWasNoHyphen

**Sample Output 3:**

ThereWasNoHyphen

**Explanation 3:**

There is no ‘-’ in the string, which means the whole string is one word.

1. Trace the output of the following code:

| 1 | Num = 100 |
| --- | --- |
| 2 | while Num > 0: |
| 3 | while 5 < Num < 10: |
| 4 | print(Num// 2 == 1 and Num% 5==0) |
| 5 | Num += 2 |
| 6 | print(Num) |
| 7 | x = Num \* 2 |
| 8 | if x % 3 == x // 3: |
| 9 | break |
| 10 | Num //=2 |

[CO3, CO4]

[10 marks]

Outputs:

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