1. for loop output

What will be the output of the following code:

```
for i in range(-6, -10, -1):
    print(i, end =" ")
```

Choose the correct answer from below:
A. -6 -7 -8 -9
B. -7 -8 -9 -10
C. -6 -7 -8 -9 -10
D. infinite loop

2. frequency of even

Which of the following codes can be used to find the frequency of even numbers in the range 0-10 inclusive?

```
A.
print((10//2)+1)

B.
c=0
for i in range(0, 10):
    if i%2:
        c=c+1
print(c)

C.
c=0
for i in range(0, 10):
    if i%2==0:
        c=c+1
print(c)

D.
c=0
for i in range(0, 11):
    if i%2==0:
        c=c+1
print(c)
```
Choose the correct answer from below:
A. BC
B. ABC
C. AD
D. ABD

3. get iteration number

What would be the output of the following code ?

```
x = 1
for i in range(x):
    x=x+1
    print(i, end= " ")
```

Choose the correct answer from below:

    A. infinite loop
    B. 0
    C. 0 1
    D. 0 2

4. find x in loop

What will be the value of x at the end of each iteration in the given program if executed?

```
x = 2
for i in range(0, 4):
    if x%2:
        x = x*2
    else:
        x = x+1
```

Choose the correct answer from below:

    A. 3, 4, 7, 14
    B. 11, 12, 13, 14
    C. 4, 3, 6, 7, 14
    D. 3, 6, 7, 14

5. From top to down

Problem Description

Write a program to print all Natural numbers from **1** to **N** where you have to take N as input from user

Problem Constraints

1 <= N <= 1000000

Input Format

A single line representing **N**

Output Format

N space separated integers from 1 to N.

Example Input

Input 1:

5

Input 2:

10

Example Output

Output 1:

1 2 3 4 5

Output 2:

1 2 3 4 5 6 7 8 9 10

6. From down to top

Problem Description

Write a program to print all Natural numbers from **N** to **1** where you have to take N as input from user

Problem Constraints

1 <= N <= 10000000

Input Format

A single line representing **N**

Output Format

N space separated integers from N to 1.

Example Input

Input 1:

5

Input 2:

10

Example Output

Output 1:

5 4 3 2 1

Output 2:

10 9 8 7 6 5 4 3 2 1

7. Summation Game

Problem Description

Write a program to find sum all Natural numbers from **1** to **N** where you have to take N as input from user

Problem Constraints

1 <= N <= 1000

Input Format

A single line representing **N**

Output Format

A single integer showing sum of all Natural numbers from **1 to N**

Example Input

Input 1:

5

Input 2:

10

Example Output

Output 1:

15

Output 2:

55