1. arrange while

You want to find the first n natural even numbers. In what sequence should the following statements be rearranged to get the desired output? Assume that suitable indentation will be included.

```
1. if i%2 ==0:
2. i=2
3. print(i)
4. while (i<=2*n):
5. i+=1
```

Choose the correct answer from below:

A. 1 3 4 2 5
B. 2 4 1 3 5
C. 2 4 3 1 5
D. 4 2 1 3 5

2. Even Game

Problem Description
Write a program to print all even numbers from **1 to N** where you have to take **N** as input from the user. Note: Use while-loop OR for-loop, according to session flow.
Problem Constraints

```
1 <= N <= 1000000
```

Input Format

```
A single line representing N
```

Output Format

```
All even numbers from 1 to N are separated by spaces.
```

Example Input

```
Input 1:
5
Input 2:
10
```

Example Output

```
Output 1:
2 4
Output 2:
2 4 6 8 10
```

3. Odd Game

Problem Description

Write a program to print all odd numbers from **1** to **N** where you have to take N as input from user. Here **N** is inclusive.

Problem Constraints

```
1 <= N <= 2000000
```

Input Format

A single line representing **N**

Output Format

All **odd numbers** from 1 to N separated by spaces.

Example Input

Input 1:

```
5
```

Input 2:

```
10
```

Example Output

Output 1:

```
1 3 5
```

Output 2:

```
1 3 5 7 9
```

4. Print perfect squares

Problem Description

Given a number **A**. Print all perfect squares less than or equal to **A**.
Notes - Perfect squares are integers whose square root is an integer.

Problem Constraints

$1 <= A <= 10^4$

Input Format

A single line consisting of a integer A.

Output Format

Print perfect squares less than or equal to A in a single line in a space-separated manner.

Example Input

Input 1:

```
20
```

Input 2:

```
100
```

Example Output

Output 1:

```
1 4 9 16
```

Output 2:

```
1 4 9 16 25 36 49 64 81 100
```

5. Floor of A/B

Problem Description
Given two numbers **A** and **B**. Print the floor of **A/B**.

Problem Constraints

$1 <= A, B <= 10^4$

Input Format

There are two input lines
The first line has a single integer **A**.
The second line has a single integer **B**.

Output Format

Print the floor of A/B in a single line.

Example Input

Input 1:-
```
4
5
```
Input 2:-
```
16
2
```

Example Output

Output 1:-
```
0
```
Output 2:-
```
8
```

Example Explanation

Explanation 1:-
```
floor(4/5) = 0
```
Explanation 2:-
```
floor(16/2) = 8
```

6. Multiples of 4

Problem Description
Given an integer input **N**, print all multiples of **4 less than** or **equal to N**.
Problem Constraints

```
1 <= N <= 10000
```

Input Format

Single line containing an integer N.

Output Format

Space separated integers representing multiples of 4 less than or equal to N.

Example Input

```
22
```

Example Output

```
4 8 12 16 20
```

Example Explanation

```
1 * 4 = 4
2 * 4 = 8
3 * 4 = 12
4 * 4 = 16
5 * 4 = 20

All are multiples of 4 less than 22
```

7. count execution

How many times will the following loop run?

```
c = 0
while c<=10:
    print(c)
    if c%2:
       c-=1
    else:
       c+=1
```

Choose the correct answer from below:
A. 20 B. 10 C. Infinite Times D. 5