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Write a program that prints the even numbers from 1 to 20.

Program In C

c ↗

```
#include <stdio.h>

int main() {
    int i;
    for (i = 2; i <= 20; i += 2) {
        printf("%d\n", i);
    }
    return 0;
}
```

Explanation:

- In this program, we initialize i to 2 since it is the first even number within the desired range.
- The loop condition $i \leq 20$ ensures that the loop continues until i reaches or exceeds 20.
- We increment i by 2 in each iteration using $i += 2$, which guarantees that i remains an even number.

Output:

Output

```
2
4
6
8
10
12
14
16
18
20
```

Program In Java

Java

```
public class EvenNumberPrinting {
    public static void main(String[] args) {
        for (int i = 2; i <= 20; i += 2) {
            System.out.println(i);
        }
    }
}
```

Explanation:

1. `public class EvenNumberPrinting:` This line declares a public class named `EvenNumberPrinting`.
2. `public static void main(String[] args):` This is the main method that serves as the entry point of the program.
3. `for (int i = 2; i <= 20; i += 2) { ... }:` This is a for loop that initializes the loop counter `i` to 2, executes the loop body as long as `i` is less than or equal to 20, and increments `i` by 2 in each iteration.
4. `System.out.println(i);:` This line prints the value of `i` followed by a newline character.

Output

```
2
4
6
8
10
12
14
16
18
20
```

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