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Write a program that prints the numbers from 1 to 10.

Program In C

C

```c
#include <stdio.h>

int main() {
    int i;
    for (i = 1; i <= 10; i++) {
        printf("%d\n", i);
    }
    return 0;
}
```

Explanation:

- In this program, we declare an integer variable i to use as the loop counter.
- The for loop runs from 1 to 10 (inclusive) with i starting at 1 and incrementing by 1 in each iteration.
- Inside the loop, we use printf to print the value of i, followed by a newline character (\n) to move to the next line.
- Finally, the program returns 0 to indicate successful execution.

Output:

Output

```
1
2
3
4
5
6
7
8
9
10
```

Program In Java

Java

```java
public class NumberPrinting {
    public static void main(String[] args) {
        for (int i = 1; i <= 10; i++) {
            System.out.println(i);
        }
    }
}
```

Explanation:

1. public class NumberPrinting: This line declares a public class named NumberPrinting.
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 = 1; i <= 10; i++) { ... }: This is a for loop that initializes the loop counter i to 1, executes the loop body as long as i is less than or equal to 10, and increments i by 1 in each iteration.
4. System.out.println(i);: This line prints the value of i followed by a newline character.

Output

```
1
2
3
4
5
6
7
8
9
10
```

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