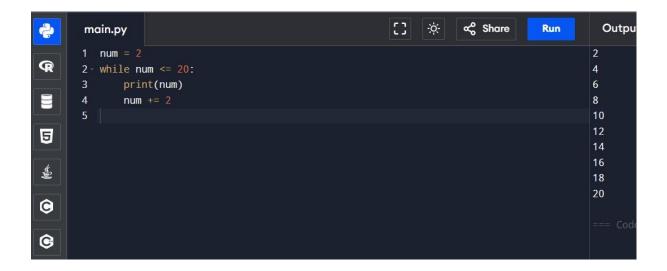
LAB # 02

Q. Print numbers from 1 to 10 using a for loop.

Q. Print all even numbers between 1 and 20 using a while loop.



Q. Calculate the sum of numbers from 1 to 100 using a loop.



Q. Print the multiplication table of 5 using a loop.

```
main.py

1 num = 5
2 for i in range(1, 11):
3 print(f"{num} x {i} = {num * i}")
4

5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
```

Q. Find the factorial of a given number using a for loop.

```
main.py

1 num = int(input("Enter a number: "))
2 factorial = 1
3
4- for i in range(1, num + 1):
5 factorial *= i
6
7 print(f"Factorial of {num} is {factorial}")
8

C: Share Run Output

Enter a number: 5
Factorial of 5 is 120

=== Code Execution Success

### Code Execution Success
```

Q. Iterate over a list of fruits and print each item.



Q. Create a list of numbers and print only the odd numbers using a loop.

```
main.py

1 numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

2 3- for num in numbers:
4- if num % 2 != 0: # Check if the number is odd
5 print(num)

6 | ==== Code Example | Code | Code
```