

hello_world.cpp

```
1. #include <iostream>
2. using namespace std;
3.
4. int main() {
5.     cout << "Hello, World!" << endl;
6.     return 0;
7. }
```

hello_world.py

```
1. print("Hello, World!")
```

1_to_5.cpp

```
1. #include <iostream>
2. using namespace std;
3.
4. int main() {
5.     for (int i = 1; i <= 5; ++i) {
6.         cout << i << " ";
7.     }
8.     cout << endl;
9.     return 0;
10. }
```

1_to_5.py

```
1. for i in range(1, 6):
2.     print(i, end=' ')
3. print() # Move to the next line
```

COMPILACIÓ (dins del terminal)

g++ hello_world.cpp -o hello

./hello

Hello, World!"

average.cpp

```
1. #include <iostream>
2. using namespace std;
3.
4. int main() {
5.     int num1, num2, num3;
6.     cout << "Enter three numbers: ";
7.     cin >> num1 >> num2 >> num3;
8.
9.     double average = (num1 + num2 + num3) / 3.0;
10.    cout << "Average: " << average << endl;
11.
12.    return 0;
13. }
```

average.py

```
1. num1 = int(input("Enter the first number: "))
2. num2 = int(input("Enter the second number: "))
3. num3 = int(input("Enter the third number: "))
4.
5. average = (num1 + num2 + num3) / 3
6. print("Average:", average)
```

factorial.cpp

```
1. #include <iostream>
2. using namespace std;
3.
4. int factorial(int n) {
5.     if (n == 0 || n == 1)
6.         return 1;
7.     else
8.         return n * factorial(n - 1);
9. }
10.
11. int main() {
12.     int num;
13.     cout << "Enter a number: ";
14.     cin >> num;
15.     int result = factorial(num);
16.     cout << "Factorial of " << num << " is: " << result << endl;
17.     return 0;
18. }
```

factorial.py

```
1. def factorial(n):
2.     if n == 0 or n == 1:
3.         return 1
4.     else:
5.         return n * factorial(n - 1)
6.
7. num = int(input("Enter a number: "))
8. result = factorial(num)
9. print(f"Factorial of {num} is:", result)
```