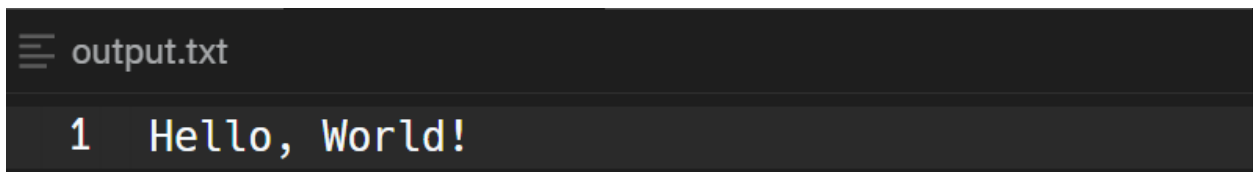


1- Write a program to create a file named "output.txt" and write "Hello, World!" to it

اكتب برنامجًا لإنشاء ملف باسم "output.txt" واكتب "Hello, World!" إليها

Output

A screenshot of a text editor window titled "output.txt". The editor has a dark background. The first line of the file contains the text "Hello, World!".

```
output.txt
1 Hello, World!
```

Solution

A screenshot of a code editor showing a C program. The code creates a file named "output.txt" and writes "Hello, World!" to it. The editor has a dark background with three colored window control buttons (red, yellow, green) in the top left corner.

```
// www.gammal.tech
#include <stdio.h>

int main() {
    FILE *file = fopen("output.txt", "w");
    fprintf(file, "Hello, World!");
    return 0;
}
```

2- Create a program to generate a file named "numbers.txt" and write numbers from 1 to 10, each on a new line

إنشاء برنامج لإنشاء ملف اسمه "numbers.txt" وكتابة الأرقام من 1 إلى 10
كل رقم على سطر جديد

Output

```
numbers.txt
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10
```

Solution

```
// www.gammal.tech
#include <stdio.h>

int main() {
    FILE *file = fopen("numbers.txt", "w");
    for (int i = 1; i <= 10; i++) {
        fprintf(file, "%d\n", i);
    }
    return 0;
}
```

3- Write a program to create a file named "greetings.txt" and write "Greetings from C Programming!"

اكتب برنامجًا لإنشاء ملف باسم "greetings.txt" واكتب "Greetings from C Programming!"

Output

```
≡ greetings.txt  
1 Greetings from C Programming!
```

Solution

```
● ● ●  
// www.gammal.tech  
  
#include <stdio.h>  
  
int main() {  
    FILE *file = fopen("greetings.txt", "w");  
    fprintf(file, "Greetings from C Programming!");  
    return 0;  
}
```

4- Develop a C program to create a file named "shapes.txt" and write the names of three geometric shapes ("Circle", "Triangle", "Square") each on a new line

تطوير برنامج C لإنشاء ملف اسمه "shapes.txt" وكتابة أسماء ثلاثة أشكال هندسية ("دائرة، مثلث، مربع") كل منها على سطر جديد

Output

```
≡ shapes.txt  
1 Circle  
2 Triangle  
3 Square
```

Solution

```

// www.gammal.tech

#include <stdio.h>

int main() {
    FILE *file = fopen("shapes.txt", "w");
    fprintf(file, "Circle\nTriangle\nSquare");
    return 0;
}
```

5- Write a program to generate a file named "even_numbers.txt" and write even numbers from 2 to 20, each separated by a space

كتابة برنامج لإنشاء ملف اسمه "even_numbers.txt" وكتابة الأعداد الزوجية من 2 إلى 20، مفصولة كل منها بمسافة

Output

even_numbers.txt

```
1  2  4  6  8 10 12 14 16 18 20
2
```

Solution

```

// www.gammal.tech

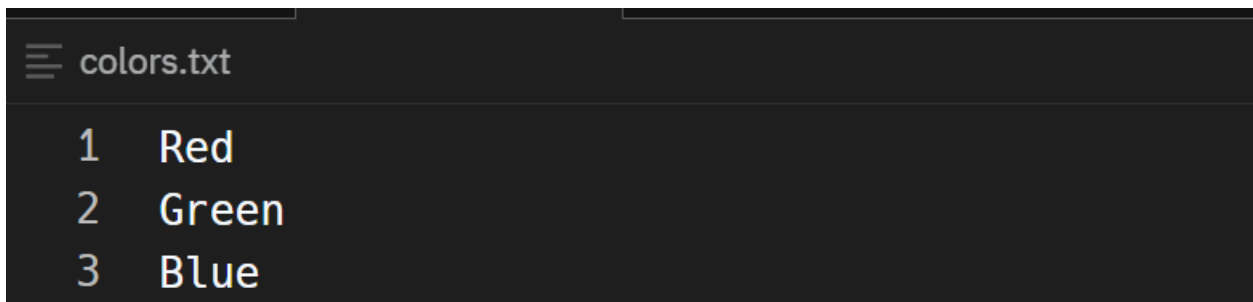
#include <stdio.h>

int main() {
    FILE *file = fopen("even_numbers.txt", "w");
    for (int i = 2; i <= 20; i += 2) {
        fprintf(file, "%d ", i);
    }
    return 0;
}
```

6- Develop a C program to create a file named "colors.txt" and write three colors ("Red", "Green", "Blue") each on a new line

تطوير برنامج C لإنشاء ملف باسم "colors.txt" وكتابة ثلاثة ألوان ("أحمر"، "أخضر"، "أزرق") كل منها على سطر جديد

Output



A screenshot of a text editor window titled "colors.txt". The editor shows three lines of text: "1 Red", "2 Green", and "3 Blue". The lines are numbered on the left side of the editor.

Solution



A screenshot of a C program source code in a dark-themed editor. The code includes a comment, a header file inclusion, and a main function that opens a file named "colors.txt" in write mode and writes the colors "Red", "Green", and "Blue" on separate lines.

```
// www.gammal.tech
#include <stdio.h>

int main() {
    FILE *file = fopen("colors.txt", "w");
    fprintf(file, "Red\nGreen\nBlue");
    return 0;
}
```

7- Write a program to create a file named "multiples_of_3.txt" and write the multiples of 3 from 3 to 30, each on a new line without

اكتب برنامجا لإنشاء ملف اسمه "multiples_of_3.txt" واكتب مضاعفات العدد 3 من 3 إلى 30، كل منها في سطر جديد بدون

Output

```
1 3
2 6
3 9
4 12
5 15
6 18
7 21
8 24
9 27
10 30
```

Solution

```
// www.gammal.tech
#include <stdio.h>

int main() {
    FILE *file = fopen("multiples_of_3.txt", "w");
    for (int i = 3; i <= 30; i += 3) {
        fprintf(file, "%d\n", i);
    }
    return 0;
}
```

8- Develop a C program to generate a file named "animals.txt" and write the names of three animals ("Lion", "Elephant", "Monkey") each on a new line

تطوير برنامج C لإنشاء ملف اسمه "animals.txt" وكتابة أسماء ثلاثة حيوانات ("الأسد"، "الفيل"، "القرود") كل منهم على سطر جديد

Output

```
animals.txt
1  Lion
2  Elephant
3  Monkey
```

Solution

```
// www.gammal.tech
#include <stdio.h>

int main() {
    FILE *file = fopen("animals.txt", "w");
    fprintf(file, "Lion\nElephant\nMonkey");
    return 0;
}
```

9- Write a C program to create a file named "odd_squares.txt" and write the squares of odd numbers from 1 to 9, each on a new line

اكتب برنامج C لإنشاء ملف اسمه "odd_squares.txt" وكتابة مربعات الأعداد الفردية من 1 إلى 9 كل واحدة على سطر جديد

Output

```
odd_squares.txt
1 1
2 9
3 25
4 49
5 81
```

Solution

```
// www.gammal.tech
#include <stdio.h>

int main() {
    FILE *file = fopen("odd_squares.txt", "w");
    for (int i = 1; i <= 9; i += 2) {
        fprintf(file, "%d\n", i * i);
    }
    return 0;
}
```

10- Create a program to generate a file named "even_cubes.txt" and write the cubes of even numbers from 2 to 10, each on a new line

إنشاء برنامج لإنشاء ملف اسمه "even_cubes.txt" وكتابة مكعبات الأعداد الزوجية من 2 إلى 10 كل واحدة على سطر جديد

Output

even_cubes.txt

```
1 8
2 64
3 216
4 512
5 1000
```

Solution

```
// www.gammal.tech

#include <stdio.h>

int main() {
    FILE *file = fopen("even_cubes.txt", "w");
    for (int i = 2; i <= 10; i += 2) {
        fprintf(file, "%d\n", i * i * i);
    }
    return 0;
}
```
