

Programa 0x250

```
7
8 #include <stdio.h>
9
10 int main() {
11     for(int i = 0; i < 10; i++) {
12         printf("Hello, world!\n");
13     }
14     return 0;
15 }
```

Output:

Hello, world!
Hello, world!
Hello, world!
Hello, world!
Hello, world!
Hello, world!
Hello, world!
Hello, world!
Hello, world!
Hello, world!

Programa 0x261

```
7
8 #include <stdio.h>
9 #include <string.h>
10
11 int main() {
12     char str1[] = "Hello";
13     char str2[] = "World";
14     char result[20];
15
16     strcpy(result, str1);
17     strcat(result, " ");
18     strcat(result, str2);
19
20     printf("Concatenated string: %s\n", result);
21     return 0;
22 }
```

Output:

Concatenated string: Hello World

Programa 0x262

```
7
8 #include <stdio.h>
9
10 int main() {
11     short s = 32767;
12     unsigned short us = 65535;
13     long l = 2147483647;
14     unsigned long ul = 4294967295;
15
16     printf("Short: %d, Unsigned Short: %u\n", s, us);
17     printf("Long: %ld, Unsigned Long: %lu\n", l, ul);
18     return 0;
19 }
20
```

Output:

Short: 32767, Unsigned Short: 65535
Long: 2147483647, Unsigned Long: 4294967295

Programa 0x263

```
7
8 #include <stdio.h>
9
10 int main() {
11     int num = 42;
12     int *ptr = &num;
13
14     printf("Value: %d, Address: %p\n", *ptr, (void*)ptr);
15     return 0;
16 }
17
```

Output:

Value: 42, Address: 0x7ffe418b40fc

Programa 0x264

```
7
8 #include <stdio.h>
9
10 int main() {
11     char name[20] = "Alice";
12     int age = 25;
13
14     printf("Name: %s, Age: %d\n", name, age);
15     return 0;
16 }
17
```

Output:

Name: Alice, Age: 25

Programa 0x265

```
7
8 #include <stdio.h>
9
10 int main() {
11     int a = 10, b = 3;
12     float result = (float)a / b;
13     printf("10 / 3 = %.2f\n", result);
14     return 0;
15 }
```

Output:

10 / 3 = 3.33

Programa 0x266

```
7
8 #include <stdio.h>
9
10 int main(int argc, char *argv[]) {
11     printf("Number of arguments: %d\n", argc);
12     for(int i = 0; i < argc; i++) {
13         printf("Argument %d: %s\n", i, argv[i]);
14     }
15     return 0;
16 }
```

Output:

Number of arguments: 1
Argument 0: ./Main

Programa 0x267

```
6
7
8 #include <stdio.h>
9
10 int main() {
11     int x = 10; // Global scope
12     {
13         int x = 20; // Local scope
14         printf("Inner scope x = %d\n", x);
15     }
16     printf("Outer scope x = %d\n", x);
17     return 0;
18 }
```

Output:

Inner scope x = 20
Outer scope x = 10