Lab 1 - Introduction to C

1. Write a C program to print a sentence sample output:

```
Hello, World!
```

2. Write a C program to print an integer entered by the user sample output:

```
Enter an integer: 25
You entered: 25
```

3. Write a C program to add two integers entered by the user sample output:

```
Enter two integers: 12
11
12 + 11 = 23
```

4. Write a C program to multiply two floating-point numbers sample output:

```
Enter two numbers: 2.4
1.12
Product = 2.69
```

5. Write a C program to find ASCII value of a character entered by the user sample output:

```
Enter a character: G
ASCII value of G = 71
```

6. Write a C program to find quotient and remainder of two integers sample output:

```
Enter dividend: 25
Enter divisor: 4
Quotient = 6
Remainder = 1
```

7. Write a C program to find the size of int, float, double and char sample output:

```
Size of int: 4 bytes
Size of float: 4 bytes
Size of double: 8 bytes
Size of char: 1 byte
```

8. Write a C program to demonstrate the working of keyword long sample output:

```
Size of int = 4 bytes
Size of long int = 8 bytes
Size of long long int = 8 bytes
Size of double = 8 bytes
Size of long double = 16 bytes
```

9. Write a C program to swap two numbers sample output:

```
Enter first number: 1.20
Enter second number: 2.45
After swapping, first number = 2.45
After swapping, second number = 1.20
```