Lab 3
Practice Tasks

Task 1:

Write a program that takes two integers as input and output the result of following operation:

- Addition
- Subtraction
- Division
- Multiplication
- Square

Task 2:

Write a program that takes your age in years as an integer and calculates your age in months.

Task 3:

Write a program that takes two char variables from the user, swaps the two, and display the swapped result as in the image below.

Task 4:

Write a program that takes temperature in degree Celsius (°C) as a float variable, and changes it to Fahrenheit (°F) by using the formula: F=C*(9/5)+32

Task 5:

Write a program that takes some input from the user that includes:

- Name as a String
- Age in integers
- Type of your degree as a char ('B' for Bachelor's degree, 'M' for Master's degree, 'P' for PhD degree)
- CGPA as a float

Once all the input is taken, the system prints all the information entered.

Task 6:

Write a program that defines variables m, n, p, and amount, as double and then calculate (m + n) / (p + amount) and display the answer.

```cpp
1 #include<iostream>
2 using namespace std;
3
4 int main()
5 {
6     int num1;
7     int num2;
8     int temp;
9
10    cout << "Enter a number: ";
11    cin >> num1;
12    cout << "Enter an other number: ";
13    cin >> num2;
14
15    temp = num1;
16    num1 = num2;
17    num2 = temp;
18
19    cout << "After swapping: first number is " << num1 << " and the second
   number is " << num2 << endl;
20
21    return 0;
22 }
```

```
pf@pf:~/Desktop$ ./task
Enter a number: 2
Enter an other number: 3
After swapping: first number is 3 and the second number is 2
pf@pf:~/Desktop$
```

```cpp
1 #include<iostream>
2 #include<string>
3 using namespace std;
4
5 int main()
6 {
7     string course = "PF Lab";
8     string ans;
9
10    cout << "Cousre you are enrolled is: " << course << endl;
11    cout << "Is it True ? ( Yes/No ) : " ;
12    cin >> ans;
13    cout << "You typed: " << ans << endl;
14    return 0;
15 }
```

```
pf@pf:~/Desktop$ ./task
Cousre you are enrolled is: PF Lab
Is it True ? ( Yes/No ) : yes
You typed: yes
pf@pf:~/Desktop$
```