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### FINAL TERM EXAM FALL SEMESTER 2025

COURSE NAME:	Fundamentals of Programming	COURSE NUMBER:	4-FCP-6-982
EXAMINATION DATE:		EXAMINATION TIME:	00:00
EXAMINATION DURATION:	60 min	EXAM VERSION:	Mock
ADDITIONAL MATERIALS ALLOWED TO USE:	Not allowed		

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**Please do not open the examination paper until directed to do so.**

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Your answer will be marked based on the following assessment criteria:

1.	Clarity and accurateness of the given answers regarding the question	40%
2.	Completeness of the answers for the parameters of the question.	30%
3.	Uniqueness of the answers absence of the plagiarism and originality.	30%
4.		

Additional Feedback:

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STUDENT ID NUMBER

MARK (DO NOT  
FILL):

**Final Examination**  
Fundamentals of Programming  
60 minutes

Nazariy savollar (3 tadan **FAQAT** 2 ta savolga javob bering, 40 points):

1. Variable (o'zgaruvchi) ga tarif bering va C++ dasturlash tilidan misol keltiring, (20 points).

2. Array haqida tarif bering va C++ dasturlash tilida misol keltiring. Array indexlariga ma'lumot kiritilgan bo'lsin, (20 points).

3. Dasturlashda solishtiruvchi (if, else etc) komponentlarga tarif bering va C++ dasturlash tilida misol keltiring, (20 points).

Amaliy savollar (barchasi majburiy, 60 points):

1. Quyidagi C++ dasturini natijasini yozing (30 points).

```
1
2     #include <iostream>
3
4     using namespace std;
5
6     ✓ int main() {
7
8         int y = 0;
9         int x = 1;
10        int total = 0;
11
12        while ( x <= 4 )
13        {
14            y = x * x;
15            cout << y << " ";
16            total += y;
17            ++x;
18        }
19
20        cout << "Total is " << total << "\n";
21    }
```

Natija:

2. Funksiyalar bilan ishlash, addition – qo'shish, subtraction – ayirish funksiyalari: (30 points).

```
int main() {  
  
    int firstNum = 0, secondNum = 0;  
  
    cout << "Enter two numbers: ";  
    cin >> firstNum >> secondNum;  
  
    cout << "Addition - " << addition(firstNum, secondNum) << endl;  
    cout << "Subtraction - " << subtraction(firstNum, secondNum) << endl;  
  
    return 0;  
}
```

- a. Yuqoridagi C++ dasturda, addition funksiyasi firstNum, secondNum o'zharuvchilari bilan ishlatilgan. addition funksiyani yozing, (15 points):

- b. Yuqoridagi C++ dasturda, subtraction funksiyasi firstNum, secondNum o'zharuvchilari bilan ishlatilgan. subtraction funksiyani yozing, (15 points):