

**The Islamic University of  
Gaza**

**Faculty of Information  
Technology**

**Department of Computer  
Science**



**Fall Semester 2025–2026  
Multimedia Programming I  
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## **Assignment 2**

1- Ask the user to enter 10 numbers one by one. Find and display the maximum number.

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2- Write a python program that acts like a simple calculator. It will:

- a. Read two numbers from the user
- b. Make sure that the user inputs are numbers
- c. Read an operation (+, -, \*, /, %)
- d. Perform the calculation
- e. Display the result

### **Special Rules:**

1- For +, -, \* (Addition, Subtraction, Multiplication):

- a. Calculate the result
- b. Check if the result is even or odd
- c. Print: {N1} {operator} {N2} = {result} - even or – odd

2- For / , % (Division , modulo):

- a. Calculate the result .
- b. Print: {N1} {operator} {N2} = {result}
- c. Special case: If N2 is zero, print error message

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3- Write a python program that simulates a simple ATM (Automated Teller Machine). The program should allow a customer to check their balance, withdraw money, deposit money.

### **Initial Account Information:**

- Account PIN: 1234
- Starting Balance: \$1,000

### **. Program Flow:**

#### **Step 1 : PIN Verification**

- Ask the user to enter their PIN
- If PIN is correct (1234) → Show the main menu
- If PIN is incorrect → Show error message and exit the program

#### **Step 2 : Main Menu**

After successful PIN verification, show these options:

- Enter 1 to check your balance
- Enter 2 to withdraw
- Enter 3 to deposit
- Enter 4 to exit

#### **Step 3: Perform Selected Operation**

The user selects one of the four options:

##### **Option 1: Check Balance**

Displays the current account balance

##### **Option 2: Withdraw Money**

- Asks the user to enter the withdrawal amount
- Checks if the amount is valid
- subtract the amount from balance if valid

##### **Validation Rules:**

1. Amount must be positive (greater than 0)
2. Amount must be less than or equal to current balance

##### **Option 3: Deposit Money**

- Asks the user to enter the deposit amount
- Checks if the amount is valid
- Adds the amount to balance if valid

**Validation Rules:**

1. Amount must be positive (greater than 0)

**Option 4: Exit**

- Exits the ATM program