LAB MANUAL

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Submitted to: Sir Salman Irfan

SAP ID:70173295

Section 1(0)

Subject: AICT

LAB TASK 1;

Name ; MUHAMMAD ABDULLAH CHEEMA

Personal Information

- Name: Muhammad Ali
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Objective

To obtain a challenging role in a reputable organization where I can utilize my skills and experience to contribute to the company's growth.

Education

- Bachelor of Science in Computer Science, University of Lahore (2020-2024)
- Intermediate, Government College University, Lahore (2018-2020)

- Matriculation, Government High School, Lahore (2016-2018)

Skills

- Programming languages: Python, Java, C++
- Software proficiency: Microsoft Office, Adobe Photoshop
- Technical skills: Data analysis, machine learning, web development
- Languages: English, Urdu

Experience

- Intern, Software Development Company (Summer 2023)
  - Assisted in developing a web application using Python and JAVA
  - Collaborated with the team to resolve bugs and improve the application's performance
- Volunteer, IT Department, University of Lahore (2022-2023)
  - Provided technical support to students and faculty members
  - Assisted in maintaining the university's computer labs and network infrastructure

LAB TASK N0 2;

Active Presenter Installation Steps

Step 1

- Start with downloading the Active presenter by visiting https://atomisystems.com/download using an

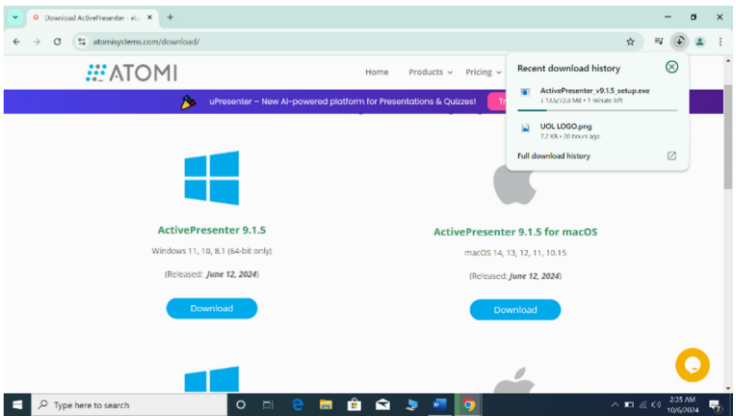


Figure 1; Downloading the active presenter

Step 2

- When the download is complete, Run the file

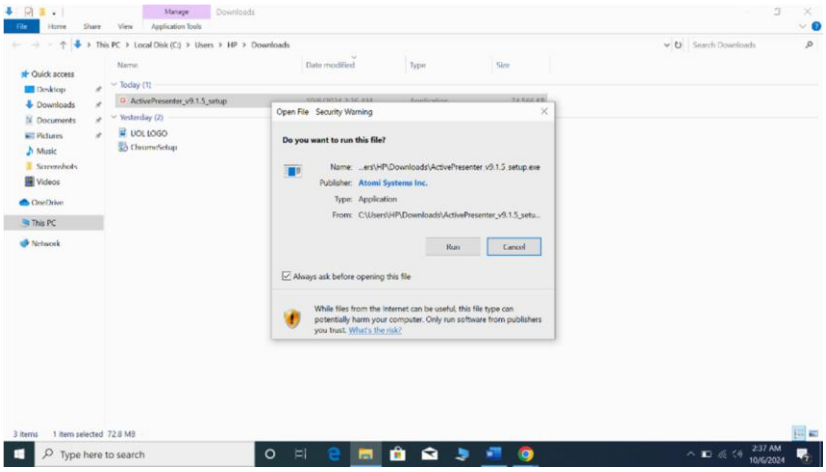


Figure 2; Run the file

Step 3

- Accept the agreement and policy
- Choose the file location for Installation
- Hit next and Installation will start

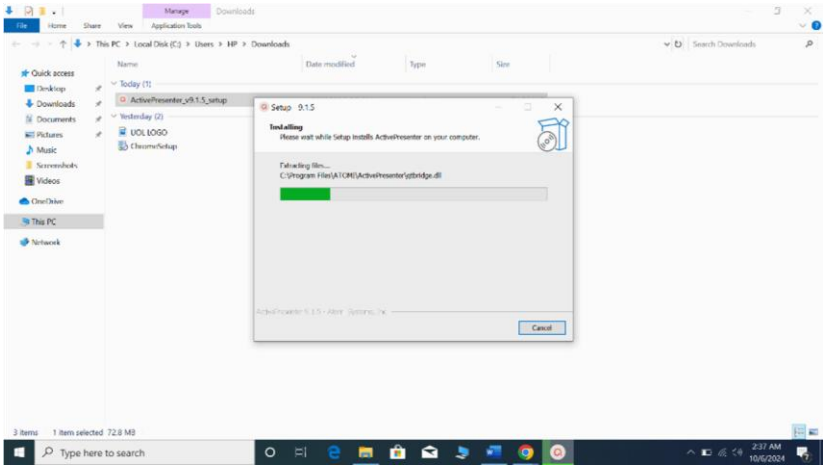


Figure 3; Accept agreement and choose file location

Step 4

- After installation is complete the software will be Ready to launch
- Another window will open in browser for “Active Presenter Tutorial”

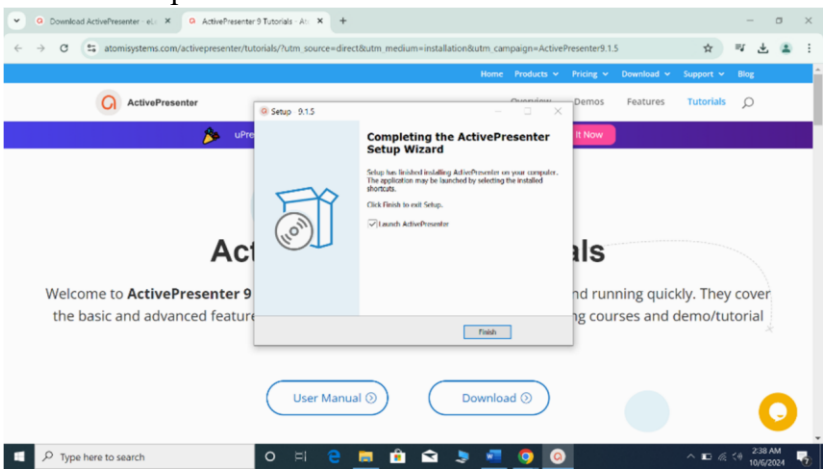


Figure 4; software is ready to launch

Step 5

- Launch the software and activate it
- And it will be ready for any use

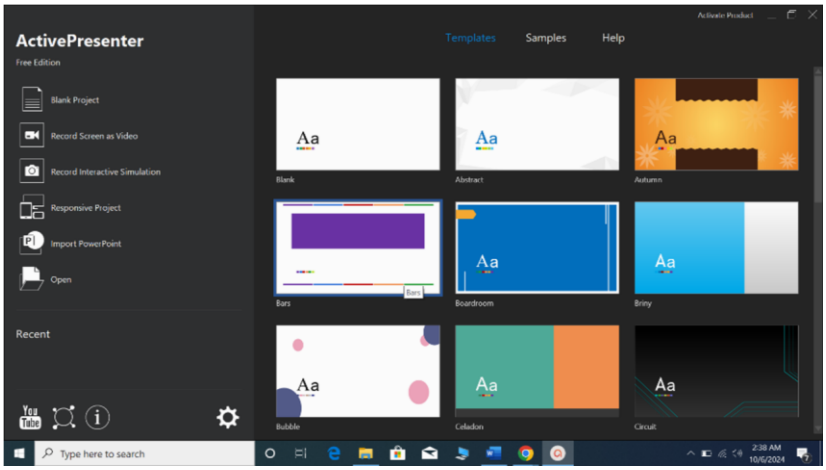


Figure 5; launching the software

MS WORD MACROS

A macro is simply a programmed set of instructions that tell Word what it should do. Macros are written or recorded in a procedure, otherwise known as a routine.

How are Macros Created?

Word offers two main ways of creating macros. Macros can be recorded using the built-in macro recorder, which records what you do and then converts this into a macro program. This is a great way of creating macros for performing routine, complex or boring and repetitious tasks. Once recorded, these tasks can be performed quickly over and over again by running the macro. Macros can also be developed from scratch. In other words, you can type the programming steps yourself rather than recording them using the built-in macro recorder.

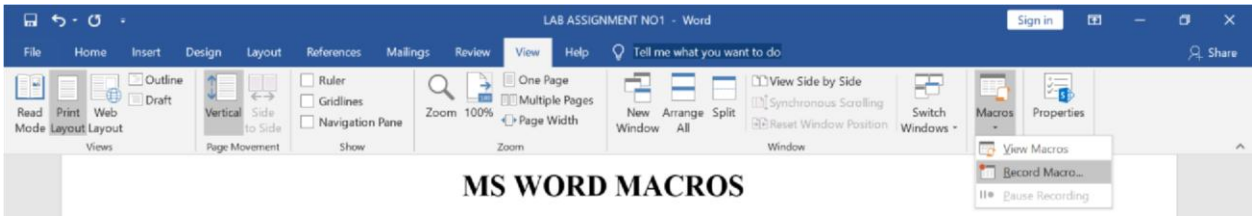


Figure showing Recording option for Macros.

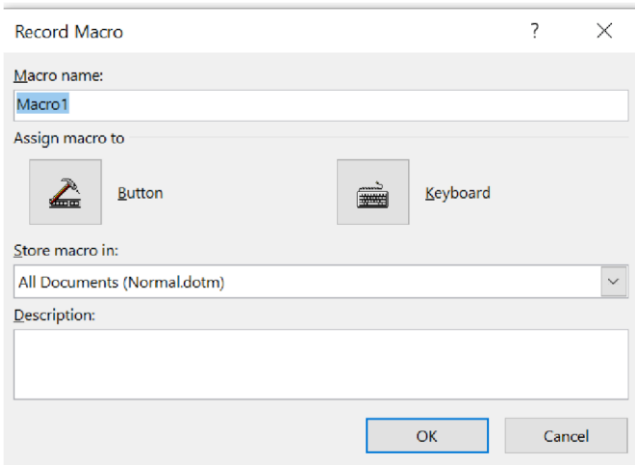


Figure showing Button or Keyboard assigning for Macros.

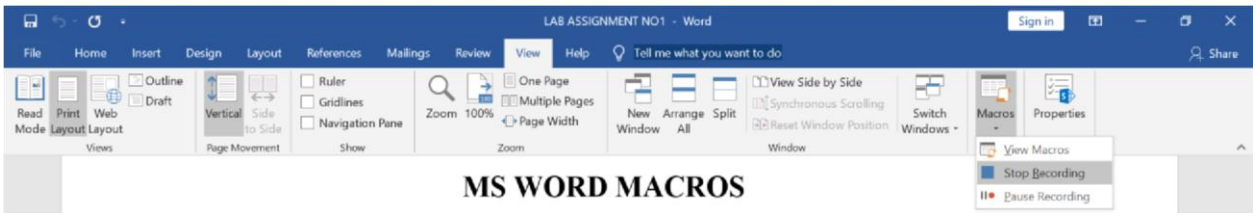


Figure for Stop/Pause Recording Macros.

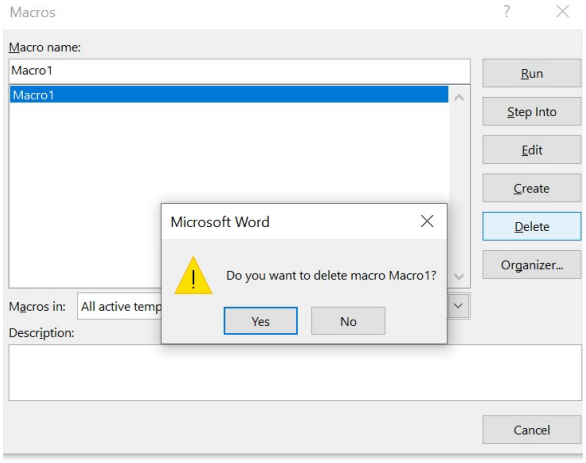


Figure for viewing and deleting Macros option.

LAB TASK NO 3;


Title: The Magic of Coding:
What is Computer Programming?
•Simple Definition: Giving instructions to a computer to perform tasks.
•Analogy: Like writing a recipe for a robot chef.
• Show examples:
• Simple calculations (e.g., adding two numbers)
• Controlling a robot
• Creating a website or game

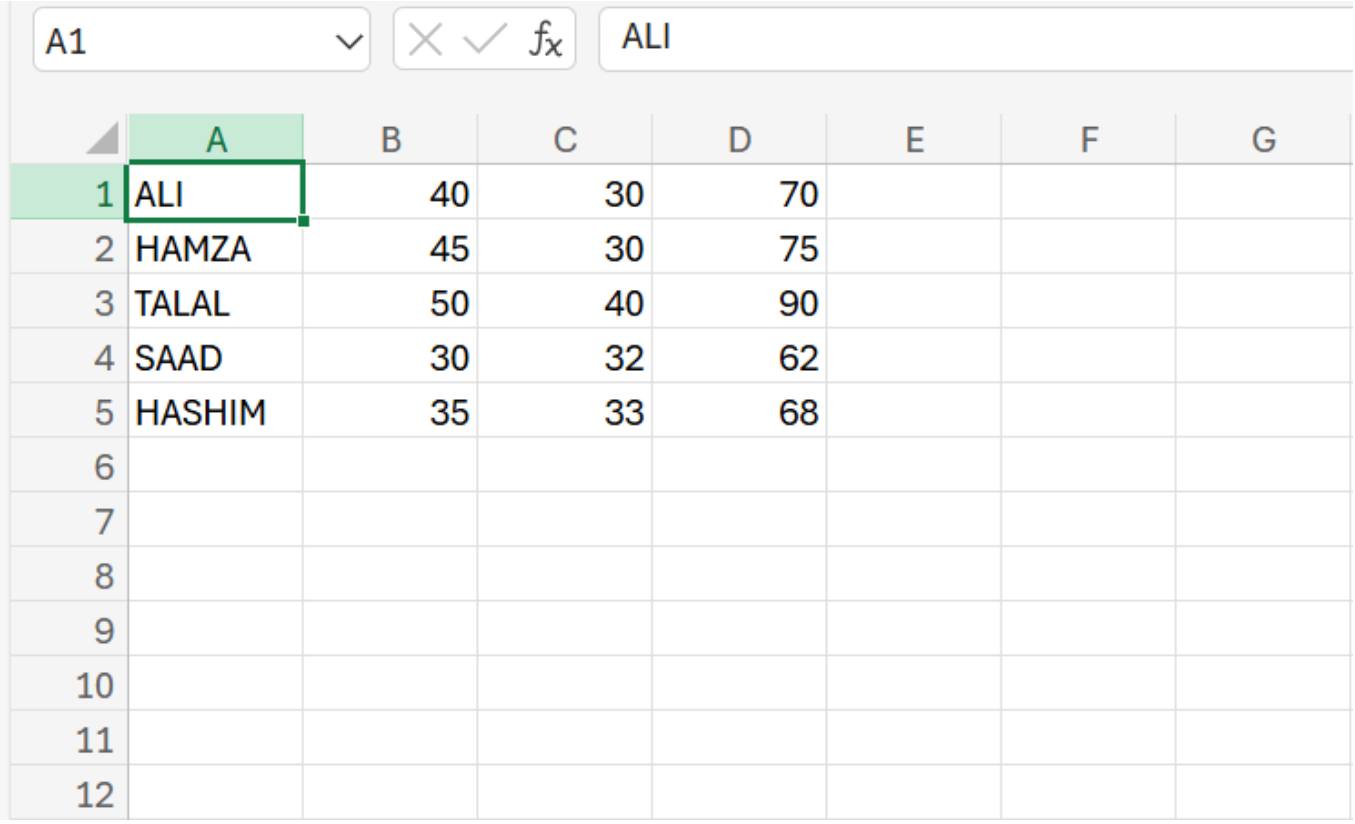
- **Getting Started:** Choose a language (Python, Scratch), find resources (online tutorials, books), and practice!
- **Simple Example:** A quick demo of a basic program (e.g., "Hello, World!").
- **The Future:** Coding is everywhere, shaping the future of technology.

Key Takeaway: Coding is a powerful tool for creating and solving problems. Start learning today!

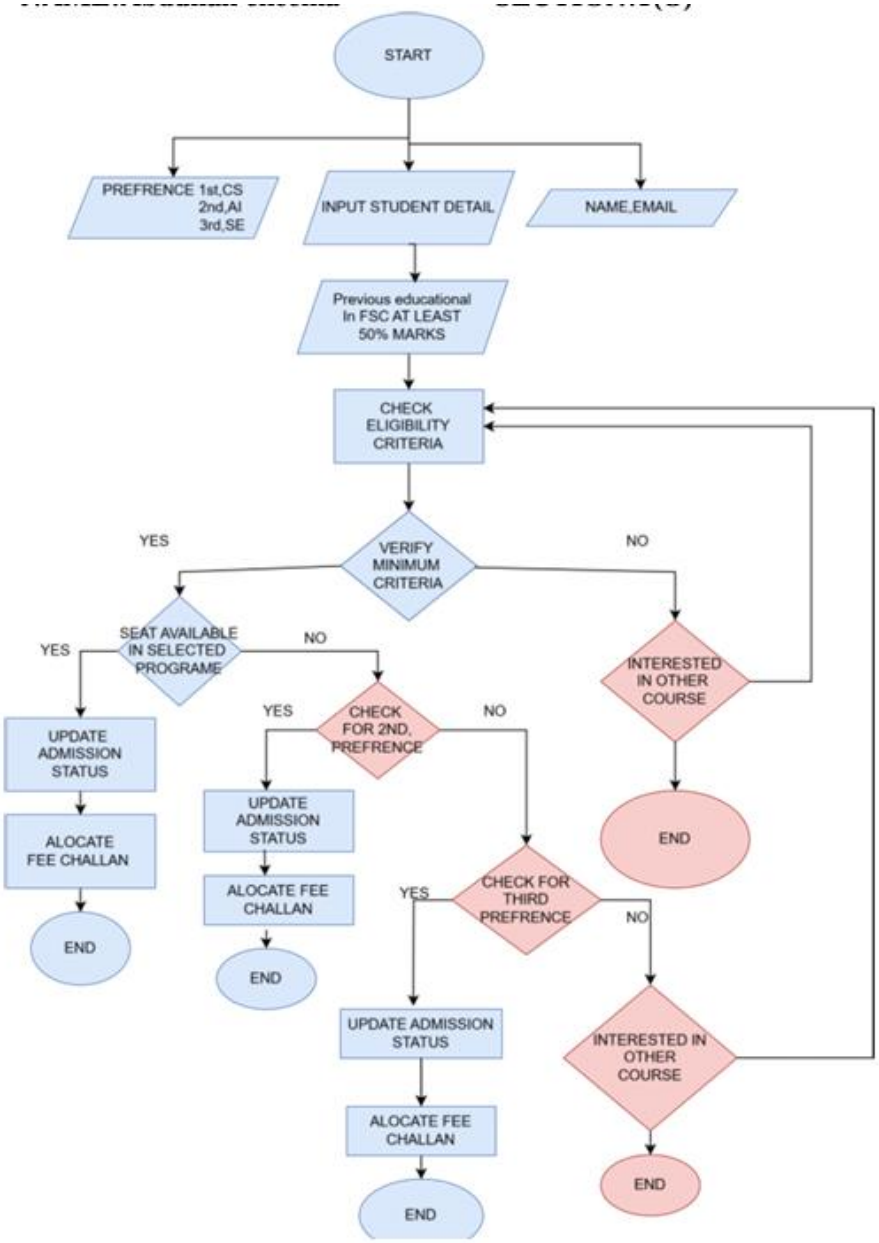
Visuals:

- Images of different coding languages, websites, and apps.
- A simple code example.
- A diagram showing the steps of coding.

LAB TASK 4;


A1
ALI
A B C D E F G
1 ALI 40 30 70
2 HAMZA 45 30 75
3 TALAL 50 40 90
4 SAAD 30 32 62
5 HASHIM 35 33 68
6
7
8
9
10
11
12

LAB TASK NO 6;

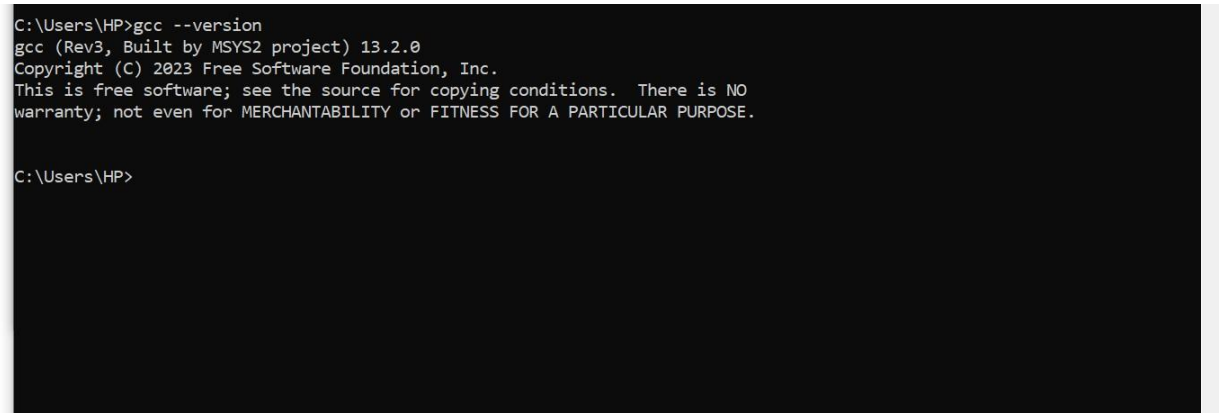

START
PREFRENCE 1st,CS
2nd,AI
3rd,SE
INPUT STUDENT DETAIL
NAME,EMAIL
Previous educational
In FSC AT LEAST
50% MARKS
CHECK
ELIGIBILITY
CRITERIA
VERIFY
MINIMUM
CRITERIA
YES
NO
SEAT AVAILABLE
IN SELECTED
PROGRAME
YES
NO
UPDATE
ADMISSION
STATUS
ALOCATE
FEE CHALLAN
END
CHECK
FOR 2ND,
PREFRENCE
YES
NO
UPDATE
ADMISSION
STATUS
ALOCATE FEE
CHALLAN
END
INTERESTED
IN OTHER
COURSE
END
CHECK FOR
THIRD
PREFRENCE
YES
NO
UPDATE ADMISSION
STATUS
ALOCATE FEE
CHALLAN
END
INTERESTED IN
OTHER
COURSE
END

LAB TASK 7;

Cpp Compiler Setup

STEP 1

- Install a compiler
- For example



STEP 2

- Create a cpp source file using vs code

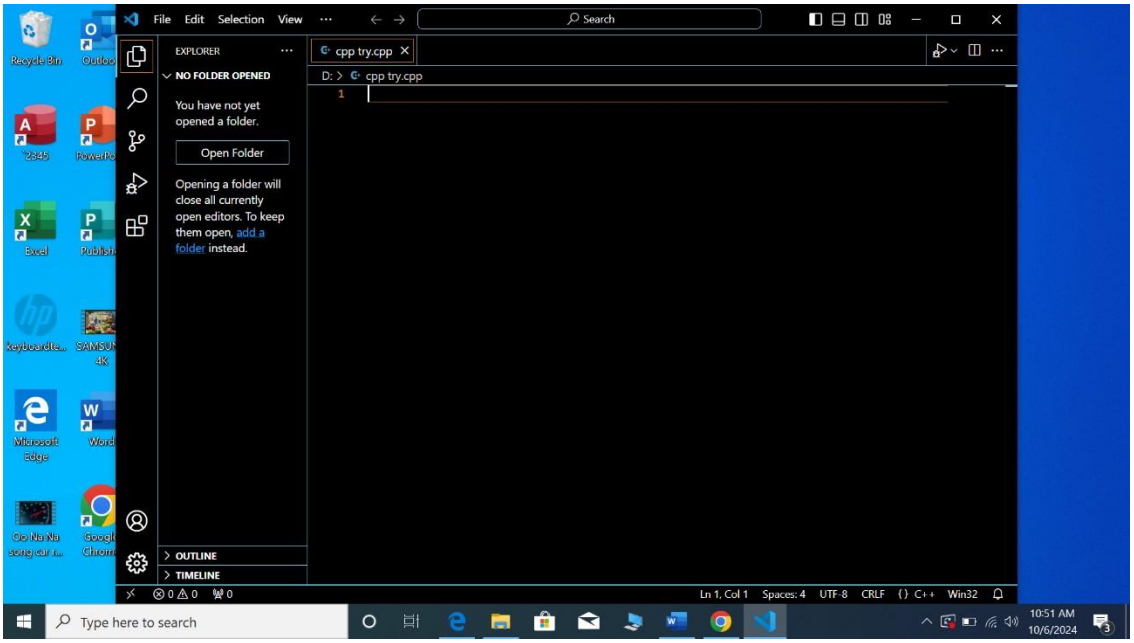
- 

Figure 2; show the cpp file

STEP 3

- Compile the program and run the vs code

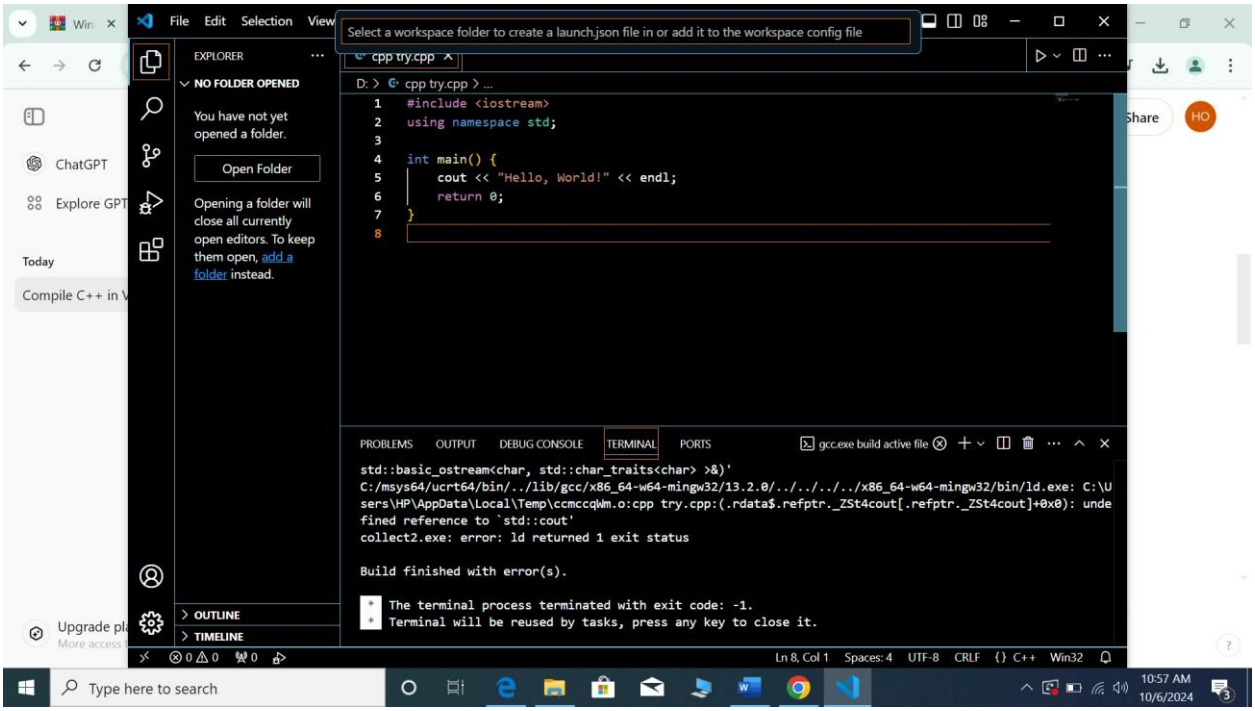


Figure 4; The cpp code has errors and bugs upon running.