

# **LAB MANUAL TASKS ASSIGNMENT**

**SUBMIT BY:FAHAD ALI**

**SAP ID:70174668**

**SECTION:(1-O)**

**SUBMIT TO:SIR SALMAN IRFAN**

## **Task 1:Create a CV**

**Name:** Fahad Ali

**Address:**House no 224,Gardenia Block ,Bahria town Lahore.

**Phone number:**03207895009

**Email:**fahadali915@gmail.com

**Objective:**My career goal is to create a WEB Development or a Software company.

**Education:**Recently I have done my FSC (Pre Medical) from Kips College , I scored 790 marks in FSC and 1016 marks in matric.

### **Skills:**

- I have developed some skills in C++ Language.
- I also have some computer operating skills.

### **Experience:**

- No Experience .

## **TASK 2:Installation of MS Office, Macros, VS Code and CPP compiler.**

### **➤ MS OFFICE INSTALLATION STEPS**

- **DOWNLOAD FILE LOCATION :**

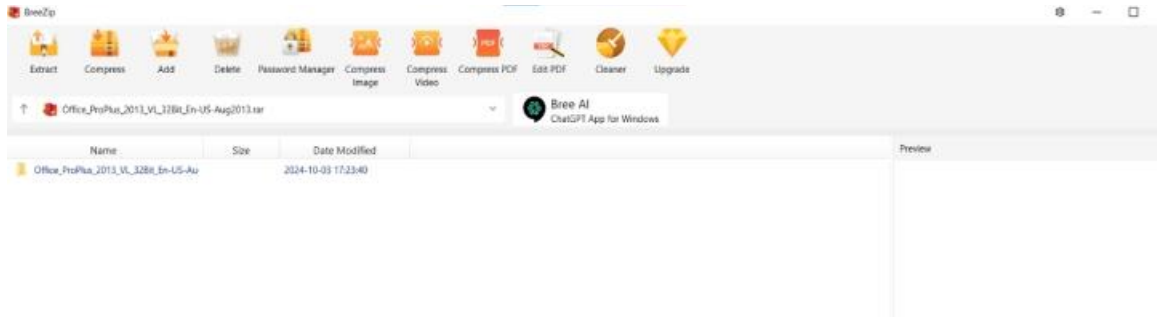


Figure 1 OF DWNLOAD FILE LOCATION

## • CONFIRMATION FOR INSTALLATION :

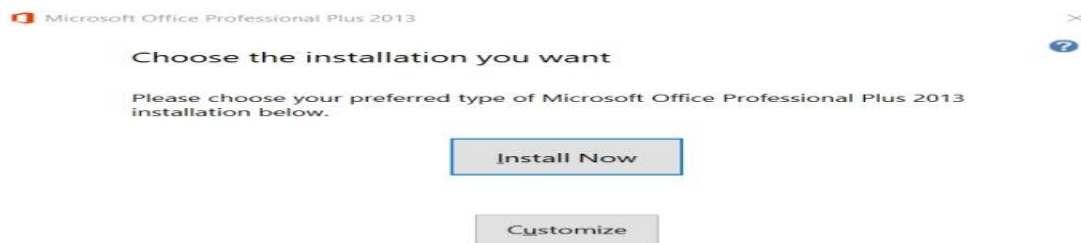


Figure 2 OF CONFORMATION FOR INSTALLATION

## • INSTALLATION PROGRESS :



Figure 3 OF INSTALLATION IN PROGRESS

- **INSTALLED FILE LOCATION :**

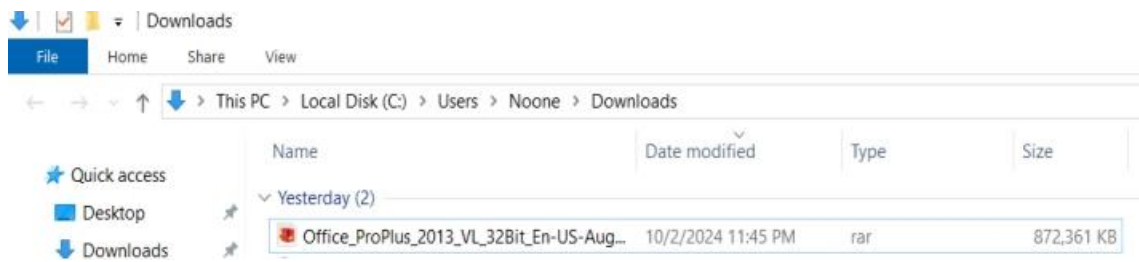


Figure 4 OF INSTALLED FILE LOC

- **OPEN MS WORD :**

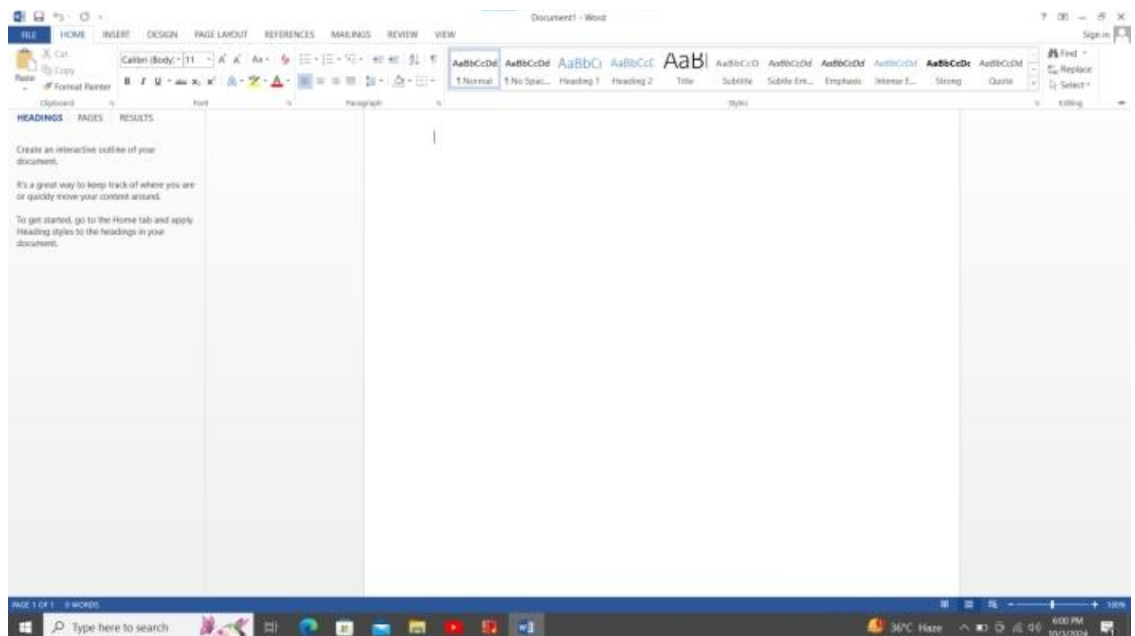


Figure 5 OF OPENING MS WORD

- **DOWNLOADING CPP COMPILER SETUP (MINGW.RAR) :**

- **OPEN WEBSITE AND DOWNLOAD CPP COMPILER :**

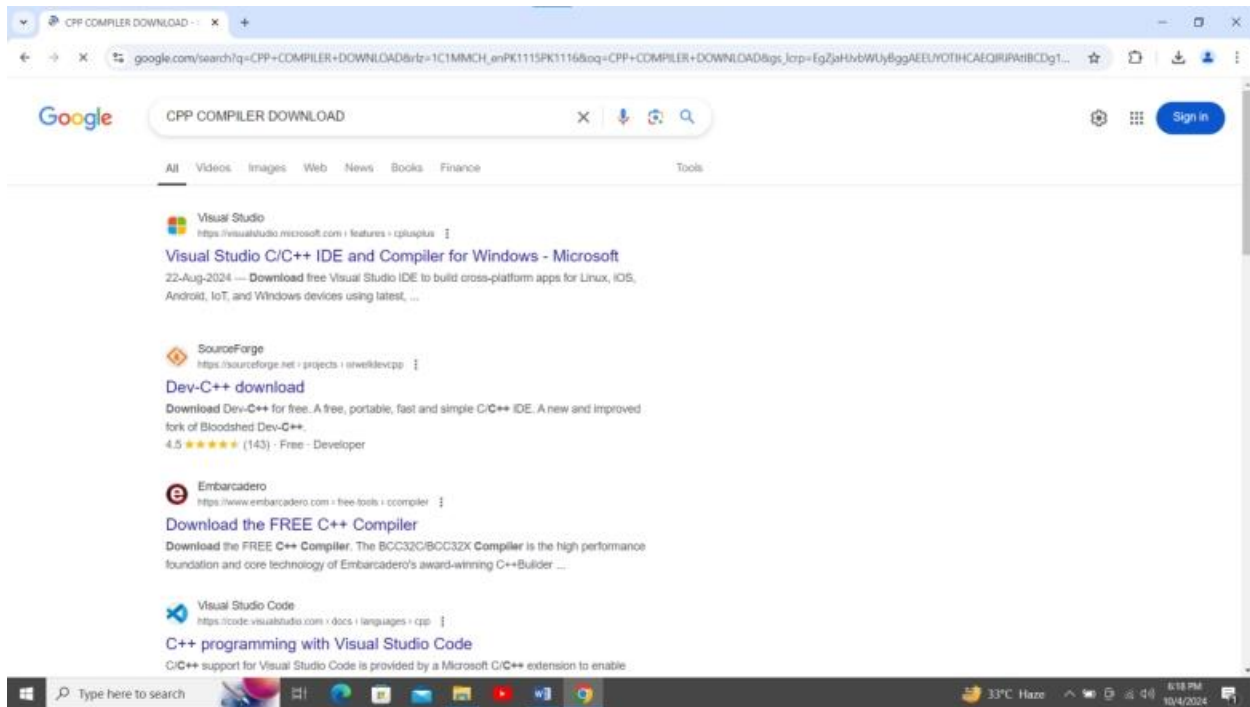


Figure 6 OF OPENING WEBSITE

## • CONFIRMATION FOR DOWNLOAD :

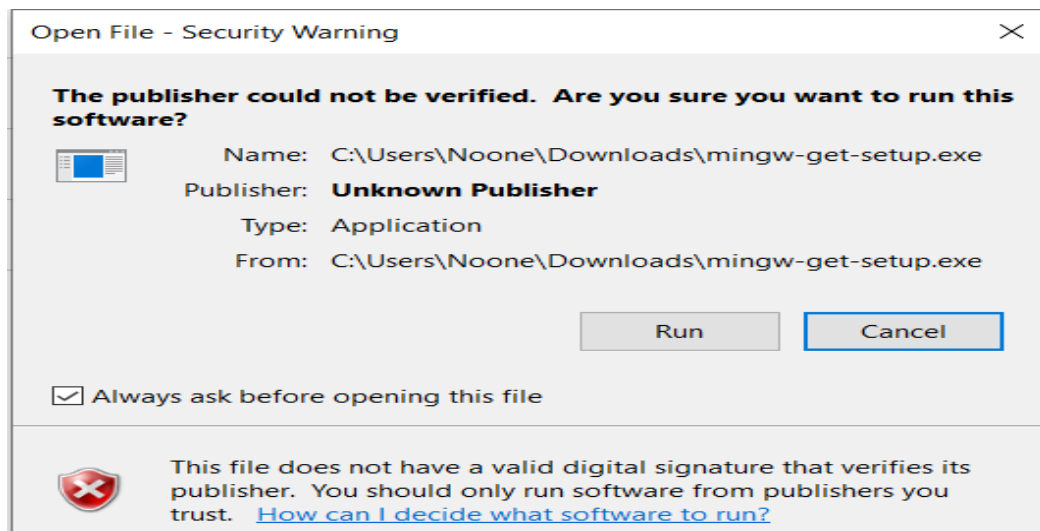


Figure 7 OF CONFIRMING TO RUN

## • CPP COMPILER SETUP DOWNLOADED :

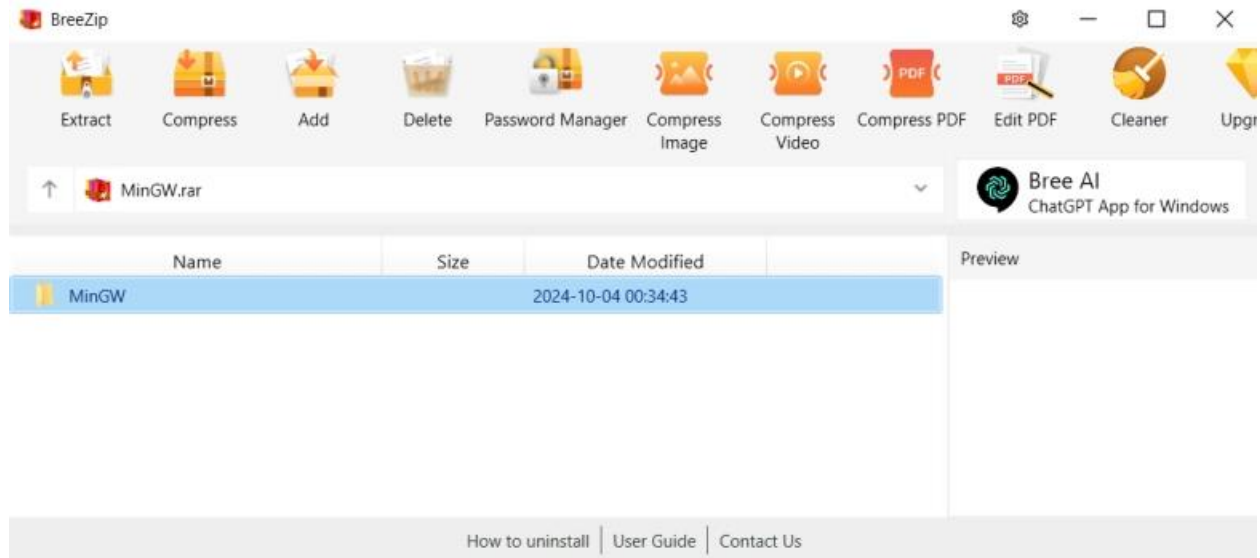


Figure 8 OF DOWNLOADED CPP COMPILER

## ➤ INTRODUCTION TO MACROS, ITS BENEFITS AND ONE EXAMPLE

### ● INTRODUCTION :

In Microsoft Word , the word macros means a set of instructions or action that repeat . By macros we can save time by creating a shortcut key for that sentence or set of instruction . By this in order to write the complete sentence again we just had to press the shortcut key that is assigned to him and the complete statement is written automatically .

### ● BENEFITS :

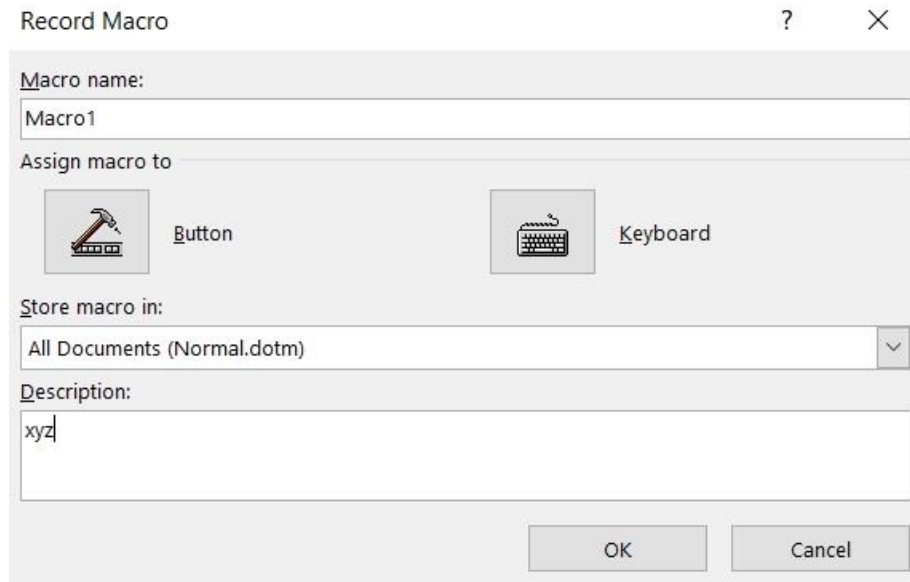
- 1:It can save time by automatically writing the repetitive task .
- 2: It ensure consistency of uniform formatting across documents .
- 3: It is easy to use by simplifying complex commands into single command .

### ● EXAMPLE OF MACROS :

In order to create a macros there are some steps that should be followed .

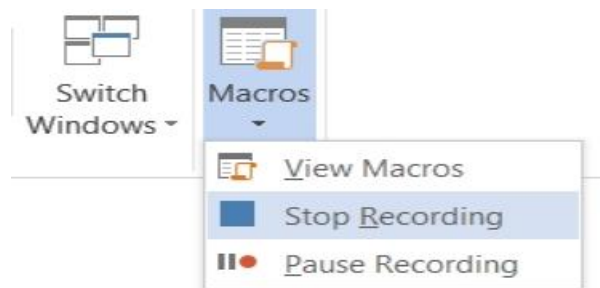
Following are the steps to create a macros ;

- 1:Open word and go to the view tab.
- 2: Click on the macro and start recording



*Figure 9 of macros recording start*

- 3: Now name your macro (e.g., Format Heading )
- 4: Assign it to a button or a keyboard shortcut for easy access .
- 5: Perform the action that you want to record .
- 6: Now click on stop recording to stop .



*Figure 10 of stop recording on macros*

In this way you can start ,stop recording on macros or can assign a shortcut key to a particular repetitive sentence .

## **Task 3: Create a presentation related to computer programming on MS Power point**

# FUNCTIONAL PROGRAMMING

## What is Functional Programming?

- Functional programming is a programming structure that treats computation as the evaluation of mathematical functions and avoid changing state or mutable data. it emphasizes immutability and the use of pure function, making programs easier to test, debug and maintain.

## Key concepts in Functional programming:

- ▶ 1. Pure Functions: Functions that return the same output for the same input and have no side effects.
- ▶ 2. Immutability: Data cannot be modified after it is created, reducing errors caused by unintended changes.
- ▶ 3. Higher order Functions: Functions that take other functions as argument or return functions.
- ▶ 4. First class functions: Functions that are assigned to variables, passed as argument and return by other functions.
- ▶ 5. Recursion: Used instead of loops for iterative processes.

## Advantages:

- ▶ Easier debugging due to lack of side effects.
- ▶ Encourages modular code and reusability.
- ▶ Built-in concurrency support due to immutability.



## Applications:

- ▶ WEB Development
- ▶ Data processing
- ▶ Artificial Intelligence

## TASK 5:MS Excel

Ali	30	+48	=78
hamza	28	+43	=71
ahmad	22	+40	=62
hammad	25	+43	=68
talha	26	+38	=64

## TASK 6:FLOWCHART

