

LAB EXERCISE 5

INSTRUCTIONS FOR THIS LAB EXERCISE

- Write all your codes in Microsoft Visual studio
 - Upon successful compilation and running, copy your code to Microsoft word
 - Upload the word file on the link provided in the Elearning.
-

1. Write a program which requests a user to input their age and the program determines and inform them if they are eligible to vote or not. (use appropriate output statements) **(2 marks)**
2. Write a program which reads a year (integer) from the user and decides whether that year is a leap year. A year is a leap year if it is divisible by 4. **(4 Marks)**
3. Write a program which reads an integer from the user and decides whether that integer is even or odd. (use appropriate output statements) **(4 Marks)**
4. A store uses the following policy to award discount. If the customer purchases products costing more than ksh 30,000 she is given a discount of 10%, otherwise she is given a discount of 2%. Write a complete C++ program that allows a user to input the total value of purchases then the program computes and outputs the discount a customer will receive. **(6 Marks)**
5. Write a program that contains an if-else statement that prints a message that indicates whether a real number (double) entered by a user is positive or negative.