**Day 1 Lab**

1-takes today’s temperature as a parameter, prints: “HOT” if the entered temperature are more than or equals 30 and “Cold” if it’s less than 30 (use ternary conditional operator).

2-On contact page prompt user to enter his name, make sure that name is string, and let the user enter his birth year and make sure that it is a number, and it is less than 2010, and then calculate his age. For each prompt if user input valid show him next prompt, if not valid show him the same prompt again 3 times if put valid data stop loops without break keyword (use loops). And after validating user input, write all user input on the page in that format:

**Name:** ahmed

**Birth year:** 1981

**Age:** 30

3-Write a program to solve the second degree equation

A X^2+B X + C = 0, where the inputs are the coefficients A, B and C

4-Given two numbers N and M. Print the summation of their last digits.

Input N: 12

Input M: 13

Output: 5

5-Two cars (X and Y) leave in the same direction. The car X leaves with a constant speed of 60 km/h and the car Y leaves with a constant speed of 90 km / h. In one hour (60 minutes) the car Y can get a distance of 30

kilometers from the X car, in other words, it can get away one

kilometer for each 2 minutes. Read the distance (in km) and calculate how long it takes (in minutes) for the car Y to take this distance in relation to the other car.

Input: 30

Output: 60

Input: 7

Output: 14