**LAB 3 ANSWERS**

**1-** int a;

Console.WriteLine("Please enter the place of the player (1, 2 or 3) ");

a = Convert.ToInt32(Console.ReadLine());

if (a == 1)

Console.WriteLine("Gold Medal");

else if (a == 2)

Console.WriteLine("Silver Medal");

else if (a == 3)

Console.WriteLine("Bronze Medal");

else

Console.WriteLine("No Medal");

Console.ReadLine();

**2-** int a, b;

Console.WriteLine("Please enter two numbers: ");

a = Convert.ToInt32(Console.ReadLine());

b = Convert.ToInt32(Console.ReadLine());

if (a == b)

Console.WriteLine("a is equal to b");

else

Console.WriteLine("a is not equal to b");

Console.ReadLine();

**3-** int num;

Console.WriteLine("Please enter a number: ");

num = Convert.ToInt32(Console.ReadLine());

if ((num % 7) == 0)

Console.WriteLine("True");

else

Console.WriteLine("False");

Console.ReadLine();

**4-** int age;

Console.WriteLine("Please enter a number: ");

age = Convert.ToInt32(Console.ReadLine());

if (age >= 18)

Console.WriteLine("You can vote");

else

Console.WriteLine("You can't vote");

Console.ReadLine();

**5-** int a, b, c;

Console.WriteLine("Please enter the angles of the triangle: ");

a = Convert.ToInt32(Console.ReadLine());

b = Convert.ToInt32(Console.ReadLine());

c = Convert.ToInt32(Console.ReadLine());

if ((a + b + c) == 180)

Console.WriteLine("Triangle");

else

Console.WriteLine("Not Triangle");

Console.ReadLine();

**6-** int a;

Console.WriteLine("Please enter a number: ");

a = Convert.ToInt32(Console.ReadLine());

if ((a < 0) && (a % 2 == 0))

Console.WriteLine("Yes");

else

Console.WriteLine("No");

Console.ReadLine();

**7-** double gpa;

Console.WriteLine("Write your GPA (between 0.0 and 4.0) : ");

gpa = Convert.ToDouble(Console.ReadLine());

if ((gpa < 0.0) || (gpa > 4.0))

Console.WriteLine("wrong GPA");

else if ((gpa >= 3.5) && (gpa <= 4.0))

Console.WriteLine("dean's list");

else if ((gpa >= 3.0) && (gpa <= 3.5))

Console.WriteLine("honor roll");

else

Console.WriteLine("Nothing for you");

Console.ReadLine();

**8-** int x, y, z;

Console.WriteLine("Enter three numbers: ");

x = Convert.ToInt32(Console.ReadLine());

y = Convert.ToInt32(Console.ReadLine());

z = Convert.ToInt32(Console.ReadLine());

if ((x < y) && (y < z))

Console.WriteLine("ascending");

else if ((x > y) && (y > z))

Console.WriteLine("descending");

else

Console.WriteLine("no order");

Console.ReadLine();

**9-** char letter;

Console.WriteLine("Enter your grade: ");

letter = Convert.ToChar(Console.ReadLine());

if (letter == 'A' || letter == 'a')

Console.WriteLine("Excellent");

else if (letter == 'B' || letter == 'b')

Console.WriteLine("Above Average");

else if (letter == 'C' || letter == 'c')

Console.WriteLine("Average");

else if (letter == 'D' || letter == 'd')

Console.WriteLine("Below Average");

else if (letter == 'F' || letter == 'f')

Console.WriteLine("Unsuccessful");

else

Console.WriteLine("Wrong letter");

Console.ReadLine();