

שאלה 11

```
public class Card
{
    private string color;
    private int num;
    public Card(string color, int num)
    {
        this.color = color;
        this.num = num;
    }
}
class Program
{
    static void Main(string[] args)
    {
        Card card1 = new Card("Green",10);
        Card card2 = new Card("Black", 5);
    }
}
```

שאלה 12

a	b	first	second	newNum	ערך מוחזר
2	5	5	2	25	25

שאלה 13

```
public static bool IsSumEven(int a, int b, int c)
{
    if ((a + b + c) % 2 == 0)
        return true;
    return false;
}
```

שאלה 14

```
k = int.Parse(Console.ReadLine());
for (int i = 0; i < vec.Length; i++)
    vec[i] = vec[i] + k;
```

שאלה 15

b1		b2		B1.IsInRange()	B2.IsInRange()	פלט
111	92	3333	200	true	false	***
		3333	999			

שאלה 16

```
public class A
{
    private int num;
    private string word;
    public A()
    {
    }
    public A(int num, string word)
    {
        this.num = num;
        this.word = word;
    }
    public int GetNum()
    { return num; }
    public string GetWord()
    { return word; }
    public void SetNum(int num)
    { this.num = num; }
    public void SetWord(string word)
    { this.word = word; }
    public override string ToString()
    {
        string s="";
        for (int i = 1; i <= num; i++)
            s = s + word;
        return s;
    }
}
```

ב. מדפיס lalala

```

public class Button
{
    private int num;
    private int size;
    private string color;
    public Button(int num)
    {
        this.num = num;
        this.size = 5;
        this.color = "black";
    }
    public Button(int num, int size, string color)
    {
        this.num = num;
        this.size = size;
        this.color = color;
    }
    public int GetSize()
    { return size; }
    public void AddToSize(int x)
    {
        size = size + x;
    }
    public bool IsSameSize(Button other)
    {
        return size == other.size;
    }
}

```

a1	a2	a3	a4
1 12 red	2 12 green	3 12 blue	4
1 14 red			13

a1.IsSameSize(a3)	a4.IsSameSize(a1)	a2.IsSameSize(a3)	פלט
false	false	true	###

```
public class Runner
{
    private string name;
    private double score;
    public Runner(string name, double score)
    {
        this.name = name;
        this.score = score;
    }
    public string GetName()
    { return name; }
    public double GetScore()
    { return score; }
}
```

ב.

```
class Program
{
    public static Runner MinScore(Runner[] arr)
    {
        double min = arr[0].GetScore();
        int place = 0;
        for(int i=1;i<arr.Length;i++)
            if (arr[i].GetScore() < min)
            {
                min = arr[i].GetScore();
                place = i;
            }
        return arr[place];
    }
    static void Main(string[] args)
    {
        Runner[] a = new Runner[10];
    }
}
```

```
public class Stam
{
    private int num;
    private int[,] matrix;
    public Stam(int row, int col, int num)
    {
        this.num = num;
        this.matrix = new int[row, col];
    }
    public bool IsGlossy(int k, int j)
    {
        int sum = 0;
        for (int x = k; x < k + 3; x++)
            for (int y = j; y < j + 3; y++)
                sum = sum + matrix[x, y];
        return sum > num;
    }
    public void Print()
    {
        int c = 0;
        for (int i = 0; i < matrix.GetLength(0) - 2; i++)
            for (int j = 0; j < matrix.GetLength(1) - 2; j++)
                if (IsGlossy(i, j) == true)
                    c++;
        Console.WriteLine(c);
    }
}
```

```

public class Family
{
    private string name;
    private int numStudents;
    private int num;
    public Family(string name, int numStudents, int num)
    {
        this.name = name;
        this.num = num;
        this.numStudents = numStudents;
    }
    public int GetNumStudents()
    {
        return numStudents;
    }
    public int Reduction()
    {
        if (num > 6)
            return 100;
        if (num > 0)
            return 40;
        return 0;
    }
}

```

ב.
הנחה שקיים `GetArr` ?

```

static void Main(string[] args)
{
    int c=0;
    City ct=new City();
    for (int i = 0; i <100000; i++)
        if (ct.GetArr()[i].Reduction() == 0)
            c++;
    Console.WriteLine(c);
}

```