For loops!!!!!!!

1.

a(10 Times)

1b.

int i = 10;

no output

int i = 6

a(3 times)

i <=10;

a(11 Times)

i > 10;

no output

a(10 times)

0-9

a(5 times)

2.

```
for (int i = 10; i < 10; i++)
    Console.WriteLine("a");
```

```
for (int i = 6; i < 10; i++)
    Console.WriteLine("a");
```

```
for (int i = 0; i <= 10; i++)
    Console.WriteLine("a");
```

```
for (int i = 0; i > 10; i++)
    Console.WriteLine("a");
```

```
for (int i = 0; i < 10; i++)
    Console.WriteLine("a");
    Console.WriteLine(i);
```

```
for (int i = 0; i < 10; i++)
    Console.WriteLine("a");
    i = i + 2;
```

3.

```
10
```

```
no output
```

```
a(5 times)
5
```

4.

```csharp
for (int i = 0; i<7; i++)
    Console.WriteLine("Ariel");
```

4b.

```csharp
int count;

Console.WriteLine("How many times do you want to write your
name?");

count =  int.Parse(Console.ReadLine());

for (int i = 0; i < count; i++)
    Console.WriteLine("Ariel");
```

5.

```csharp
int diff;
int max;
Console.WriteLine("Enter a number");

diff = int.Parse(Console.ReadLine());
max = 100 - diff;


for (int i = 0; i < max; i++)
{
    System.Console.WriteLine(i);
}
```

5b.

```
int diff;
int max;
Console.WriteLine("Enter a number");


diff = int.Parse(Console.ReadLine());
max = 100 - diff;



for (int i = 0; i < max; i++)
{
    if ( i > 10 &&  i < 100) {
        System.Console.WriteLine(i);
        }
    }
```

6.

```
ar rand = new Random();
int num2;
int val;


 for (int num = 0; num <= 30; num++){
     num2 = rand.Next(30);


    if ( num2 % 3  == 0 ) {
        if (num2 > 10) {
            val = num2/10;
            System.Console.WriteLine(num2);
        }


    }
```

7.

```csharp
static void Main(string[] args)
    {
        var rand = new Random();
        double num = rand.NextDouble();
        int counter = 0;
        for(int i=0; i<10; i++){
            double res = Program.GetRandomNumber(0,100);
             if (res > 54.6){
                 counter ++;
                 System.Console.WriteLine(res);
             }
        }

        System.Console.WriteLine(counter);
    }

    static double GetRandomNumber(double minimum, double maximum)
    {
        Random random = new Random();
        return random.NextDouble() * (maximum - minimum) + minimum;
    }
```

8.

```
   int avg;
        int[] grades =  { 60 , 80 , 100 , 62 , 32 , 74 , 28 , 56
, 82 , 99 };

        int sum = 0;
         for (int i = 0; i < grades.Length -1 ; i++)
         {
             int grade = grades[i];
            sum = sum+grade;
             //avg = grades.Length/10;
             //System.Console.WriteLine(avg);
         }
         avg = sum / grades.Length;
         System.Console.WriteLine(avg);
```

9.

```
        int num;
        int countereven = 0;
        int sumseven = 0;
        int item;

        System.Console.WriteLine("Enter a number");
        num = int.Parse(Console.ReadLine());

        for (int i = 0; i < num; i++ ){
            System.Console.WriteLine("Enter number " + (i + 1));
            item = int.Parse(Console.ReadLine());
            if (item % 2 == 0)
            {
                countereven ++;
            }
          if (item % 7 ==0){
                sumseven = sumseven + item;
          }
        }
         System.Console.WriteLine("counter= " + countereven);
         System.Console.WriteLine("sum = " + sumseven);
```

10.

```csharp
int grade;
        int grade2;
        int sum;
        int avg;
        int counter = 0;

        System.Console.WriteLine("Enter grade 1");
        grade = int.Parse(Console.ReadLine());
      System.Console.WriteLine("Enter grade 2");
        grade2  = int.Parse(Console.ReadLine());



        System.Console.WriteLine("Max =" +Math.Max(grade,
grade2));
        System.Console.WriteLine("Min =" +Math.Min(grade,
grade2));

        sum = grade + grade2;
        avg = sum/2;
        System.Console.WriteLine("Avg = " + avg);
```