

Ex 1 p. 212

initializer `double pop = 11.2;`
 `// millions`
 `int year = 2010;`

boolean
condition `while (pop < 120)`
 `{`

change in
boolean
condition `year ++;`
 `pop *= 1.0113;`
 `}`
 `System.out.println(year);`

addOdds (Ex # 3 p. 212)

initializers:

```
int num = 1;
int sum = 0;
```

condition: `while (num <= n)`
`{`

```
    sum += num;
    num += 2;
```

body of loop:

```
    }
return sum;
```

```
// print and return sum of odd integers from 1 to n
public static int addOddsJacob(int n)
{
    int addOdds = n;
    while(n>=1)
    {
        if(n%2==1)
        {
            n--;
            n--;
            addOdds+=n;
        }
        else
            n--;
    }
    return addOdds;
}
```

```
// print and return sum of odd integers from 1 to n
public static int addOddsDiego(int n)
{
    int sum = 0;
    int k = 0;
    while (k<= n)
    {
        sum += k * (k%2);
        k++;
    }
    return sum;
}
```

```
// print and return sum of odd integers from 1 to n
public static int addOddsSam(int n)
{
    int num = 1;
    int sum = 1;
    while (num < n)
    {
        num = num + 2;
        sum = sum + num;
    }
    return sum;
}
```