

I've made all these methods static so you can call them directly from the main method.

- ```
public static void powersOfTwo()
{
 int num = 2;
 for(int i=1; i<=10; i++)
 {
 System.out.println(num);
 num *= 2;
 }
}

public static void powersOfTwo()
{
 for(int i=1; i<=10; i++)
 System.out.println(Math.pow(2,i));
}
```
- ```
public static void alarm(int times)
{
    for(int i=0; i<times; i++)
        System.out.println("Alarm!");
}
```
- ```
public static int sum100()
{
 int sum = 0;
 for(int i=1; i<=100; i++)
 sum += i;
 return sum;
}

public static int sum100()
{
 return 100*101/2;
}
```
- ```
public static int sumRange(int start, int end)
{
    int sum = 0;
    for(int i=start; i<=end; i++)
        sum += i;
    return sum;
}
```

5. `public static int maxOfTwo(int a, int b)`
`{`
 `if(a > b)`
 `return a;`
 `else`
 `return b;`
`}`
- `public static int maxOfTwo(int a, int b)`
`{`
 `return Math.max(a, b);`
`}`
6. `public static boolean larger(double first, double second)`
`{`
 `return first > second;`
`}`
- `public static boolean larger(double first, double second)`
`{`
 `if(first > second)`
 `return true;`
 `else`
 `return false;`
`}`
7. `public static boolean evenlyDivisible(int first, int second)`
`{`
 `return first % second == 0;`
`}`
- `public static boolean evenlyDivisible(int first, int second)`
`{`
 `int div = first / second;`
 `return div * second == first;`
`}`
8. `public static double average(int a, int b, int c)`
`{`
 `return (a + b + c)/3.0;`
`}`
9. `public static boolean isAlpha(char aChar)`
`{`
 `return aChar >= 'a' && aChar <= 'z' ||`
 `aChar >= 'A' && aChar <= 'Z';`
`}`

10. `public static int validate(int start, int end, int check)`
`{`
 `Scanner sc = new Scanner(System.in);`
 `while(check > end || check < start)`
 `{`
 `System.out.print("Enter a new value: ");`
 `check = sc.readInt();`
 `}`
 `return check;`
`}`
11. `public static boolean floatEquals(double a, double b, double tolerance)`
`{`
 `double diff = Math.abs(a - b);`
 `return diff <= tolerance;`
`}`
12. `public boolean isIsosceles(int a, int b, int c)`
`{`
 `if(a == b && b == c)`
 `return false;`
 `return a == b || b == c || a == c;`
`}`
13. `public static int randomInRange(int start, int end)`
`{`
 `return (int)(start + Math.random()*(end - start + 1));`
`}`