Week 3

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Assignment #1

for (int i=3, x=2 ; i<=9; i+=3, x+=4){

   System.out.println(i*x);

}

次序	執行	i的數值	x的數值	輸出
1	int i=3, x=2	3	2	
2	i<=9	3	2	
3	println(i*x)	3	2	6
4	i+=3, x+=4	6	6	
5	i<=9	6	6	
6	println(i*x)	6	6	36
7	i+=3, x+=4	9	10	
8	println(i*x)	9	10	90
9	i+=3, x+=4	12	14	
10	i<=9	12	14	

Assignment #2

- Print -> 1 2 4 8 16

```
for (int i = 1; i <=16; i += i){
    System.out.println(i);
}
```

- Print -> 32 16 8 4 2

```
for (int x = 32; x >= 2; x /= 2){
    System.out.println(x);
}
```



```java
package Java_Cantonese_52.src.week3;

public class ForLoop {
    public static void main(String[] args) {
        for(int i = 1 ; i <= 16 ; i += i) {
            System.out.println(i);
        }

        System.out.println();

        for(int x = 32 ; x >= 2 ; x /= 2) {
            System.out.println(x);
        }
    }
}
```