Practice questions

- What is the output of the following code fragment?

```
for ( int count = 0;  count <= 10;  count+=2 )
  System.out.print( count + " " );
```

`* 0 2 4 6 8 10`

- How many stars (*) are printed when the following Java code is executed?

```
i=1;
while (i>=0) {
 if (i>2) i=i-5;
 else i=i+1;
 System.out.print("*");
}
```

    i.   0
   ii.   1
  iii.   2
   iv.   *3

(show this message when they check the answer:

This question may looks tricky but it is easy as long as you follow the code step by step.

Write down i as 1 first, then check if 1>=0 or not. Yes. So we are in the loop.

Now check if 1>2 or not. It is not. So go to the statement after else, which is to increase i by 1. Now i is 2. Then Now it goes to the line after else, which prints out one star. Then we check the loop condition: if 2>=0 or not. Yes. So we are continue the loop

Now check if 2>2 or not. It is not. So go to the statement after else, which is to increase i by 1. Now i is 3. Then Now it goes to the line after else, which prints out another star. Then we check the loop condition: if 3>=0 or not. Yes. So we are continue the loop

Now check if 3>2 or not. Yes. So i = 1 -5, which is -4. Now it goes to the line after else, which prints out one more star (three total). Then we check the loop condition: if 04>=0 or not. No. So we are out of the loop