

**CHAPTER  
ANS 01-05**

**เฉลยโจทย์บางข้อของเอกสารสอนเสริมชุดที่ 1-5  
(Selected Answer Chapter 1-5)**

**CHAPTER 1 โจทย์ข้อที่ 4**

A	B1	B2	C
1	3	2	3
2	3	2	4
3	3	2	5
4	3	2	6
5	7	11	6

**CHAPTER 2 โจทย์ข้อที่ 6**

1. `k = ++i + (j)--;`
2. `i += --k * (int)(x + 0.9);`
3. `y = (double)(i-- + ++j) + x;`
4. `k /= j - (int)(x + y);`
5. `i *= k++ + (int)Math.sqrt(--j);`
6. `j++; --k; i++; x += 1.7;`
7. `y /= --j - --i;`
8. `x += (int)y + (int)(y * 3.6);`

int i	int j	int k	double x	double y
3	4	8	1.0	ไม่มีค่า
10	4	7	1.0	ไม่มีค่า
9	5	7	1.0	16.0
9	5	0	1.0	16.0
18	4	1	1.0	16.0
19	5	0	2.7	16.0
18	4	0	2.7	-1.1428
18	4	0	-2.3	-1.1428

**CHAPTER 2 โจทย์ข้อที่ 8**

```
import java.util.Scanner;
public class NameAge {
    public static void main(String[] args) {
        Scanner kb = new Scanner(System.in);

        System.out.print("Money : ");
        long m = kb.nextLong();

        long m1000, m500, m100, m50, m20, m10, m5, m1;
        m1000 = m / 1000;
        m = m % 1000;
        m500 = m / 500;
        m = m % 500;
        m100 = m / 100;
        m = m % 100;
        m50 = m / 50;
        m = m % 50;
        m20 = m / 20;
        m = m % 20;
```

```

m10 = m / 10;
m = m % 10;
m5 = m / 5;
m = m % 5;
m1 = m / 1;
m = m % 1;

System.out.println("1000 Baht : " + m1000);
System.out.println("500 Baht : " + m500);
System.out.println("100 Baht : " + m100);
System.out.println("50 Baht : " + m50);
System.out.println("20 Baht : " + m20);
System.out.println("10 Baht : " + m10);
System.out.println("5 Baht : " + m5);
System.out.println("1 Baht : " + m1);
}
}

```

### CHAPTER 3 โจทย์ข้อที่ 7

```

import java.util.Scanner;
public class Test {
    public static void main(String[] args) {
        Scanner kb = new Scanner(System.in);
        System.out.print("Enter your number : ");
        int guess = kb.nextInt();
        if ((guess < 1) || (guess > 10)) {
            System.out.println("Invalid Number");
        } else {
            int numberRandom = (int)(Math.random()*10) + 1;
            if (guess == numberRandom) {
                System.out.println("You are the winner!");
                System.out.println("The number is " + numberRandom);
            } else {
                System.out.println("You are the failure!");
                System.out.println("The number is " + numberRandom);
            }
        }
    }
}

```

### CHAPTER 4 โจทย์ข้อที่ 2

```

4/07
20
20
0

4/07/2
at
at
rat

```

### CHAPTER 4 โจทย์ข้อที่ 3

```

c = 7
d = -1
r = false
good***2008
YOU**EXAMNG*first:

```

## CHAPTER 4 โจทย์ข้อที่ 8

```
import java.util.Scanner;
public class Test {
    public static void main(String[] args) {
        Scanner kb = new Scanner(System.in);
        System.out.print("Enter money exchange code : ");
        String c = kb.nextLine();
        double rate1 = 0.0, rate2 = 0.0;
        double money1 = 0.0, money2 = 0.0;
        String sMoney1 = "", sMoney2 = "";

        if (c.charAt(0) == 'B') {
            sMoney1 = "Baht";
            rate1 = 33.52;
        } else if (c.charAt(0) == 'Y') {
            sMoney1 = "Yen";
            rate1 = 121.7;
        } else if (c.charAt(0) == 'D') {
            sMoney1 = "Dollar";
            rate1 = 1.0;
        } else if (c.charAt(0) == 'E') {
            sMoney1 = "E";
        } else {
            //Don't do anything
        }

        if (c.charAt(0) != 'E') {
            if (c.charAt(1) == 'B') {
                sMoney2 = "Baht";
                rate2 = 33.52;
            } else if (c.charAt(1) == 'Y') {
                sMoney2 = "Yen";
                rate2 = 121.7;
            } else if (c.charAt(1) == 'D') {
                sMoney2 = "Dollar";
                rate2 = 1.0;
            } else {
                //Don't do anything
            }
        }

        if (sMoney1.equals("E")) {
            System.out.println("Exit program!");
        } else if (sMoney1.equals("") || sMoney2.equals("")) {
            System.out.println("Missing code!");
        } else {
            money1 = Double.parseDouble(c.substring(2, c.length()));
            money2 = money1 * (rate2 / rate1);
            System.out.println("Money initial : " + money1 + " " + sMoney1);
            System.out.println("Money rate (" + sMoney1 + " to " + sMoney2 + ") : "
                + rate1 + " " + sMoney1 + " = " + rate2 + " " + sMoney2);
            System.out.println("Money total : " + money2 + " " + sMoney2);
        }
    }
}
```

## CHAPTER 5 โจทย์ข้อที่ 9

```
import java.util.Scanner;
public class Xincrease{
    public static void main (String[] args) {
        Scanner kb = new Scanner(System.in);
        double x,cal;
        System.out.print("Input xfirst : ");
        double xfirst = kb.nextDouble();
        System.out.print("Input xincr : ");
        double xincr = kb.nextDouble();
        System.out.print("Input xlast : ");
        double xlast = kb.nextDouble();
        x = xfirst;
        while(x<xlast){
            if((x*x-x-2) == 0)
                System.out.println("error");
            else {
                cal = (x * x * x + 2 * x * x + 7 * x - 10) / (x * x - x - 2);
                System.out.println("x = " + x + " => result: " + cal);
            }
            x += xincr;
        } //End of while
    } //End of main method
}
```

## CHAPTER 5 โจทย์ข้อที่ 11

```
import java.util.Scanner;
public class Test {
    public static void main(String[] args) {
        Scanner kb = new Scanner(System.in);
        int x = 0;
        long y = 0L;
        double z = 0.0;

        do {
            System.out.print("Input x : ");
            x = kb.nextInt();
            System.out.print("Input y : ");
            y = kb.nextLong();
            if (y > 0) {
                z = 1.0/2.0 * Math.sin(Math.pow(Math.abs(x) - (1 / Math.sqrt(y)), 2));
                System.out.println("z = " + z);
            }
        } while (y > 0);
    }
}
```