รายงาน

การเขียนโปรแกรมภาษาจาวา (CPSC 462)



จัดทำโดย...
นายนรภัทร นรศักดิ์ รหัสนักศึกษา 6008111008
นักศึกษาชั้นปีที่ 3
คณะเทคโนโลยีสารสนเทศ

เสนอ

ผศ.บุรินทร์ รุจจนพันธุ์

ภาคการเรียนที่ 1 ปีการศึกษา 2561 มหาวิทยาลัยเนชั่นศูนย์ลำปาง

คำนำ

รายงานฉบับนี้เป็นส่วนหนึ่งของวิชาการเขียนโปรแกรมภาษาจาวา (CPSC 462) ทั้งนี้ในรายงานฉบับบนี้ มีเนื้อหาเป็นการรวบรวมเกสารและแบบฝึกหัดตามบทเรียนที่ได้เรียนมาประกอบไปด้วย 1.แบบฝึกหัดหา คำผิด 49 Keywords – 3 งาน (แยกเฉลย) 2.แบบฝึกหัดเขียน 10 โปรแกรม มีจุดผิดพลาดโปรแกรม ละ 5 จุด แยกเฉลย 3. เขียน Class Diagram และ .java 10 ชุด - 5 งาน

จัดทำโดย นรภัทร นรศักดิ์

สารบัญ

| เรื่อง | หน้า |
|---|------|
| 1.แบบฝึกหัดหาคำผิด 49 Keywords – 3 งาน (แยกเฉลย) | 1 |
| 2.แบบฝึกหัดเขียน 10 โปรแกรม มีจุดผิดพลาดโปรแกรมละ 5 จุด แยกเฉลย | 5 |
| 3. เขียน Class Diagram และ .java 10 ชุด - 5 งาน | 11 |

1.แบบฝึกหัดหาคำผิด 49 Keywords – 3 งาน (แยกเฉลย)

| , , , , , | , , , , | | |
|------------|--|--|---|
| boolean | break | byte | case |
| CUTSOr | chat | bug | continue |
| do | bus | elsc | extends |
| finally | scanner | for | goto |
| implements | speaker | instanceof | int |
| long | printer | new | package |
| icon | sink | symbol | short |
| strictfp | scheme | witch | 1 Synchromized |
| throw | throns | transient | try |
| volatile | while | assert | char |
| const | Louble | float | import |
| protected | public | return | |
| | | | |
| | cursor do finally implements long icon strictfp throw volatile const | cursor chat do bus finally scanner inplements speaker long printer icon sink strictfp scheme throw throws volatile while const double | cursor chat bug do bus else finally scanner for implements speaker instanceof long printer new icon sink symbol strictfp scheme switch throw throws transient volatile while assert const double float |

| | | NO : | DATE : | |
|----------|--------------|----------|-------------|------------|
| gan 2 | | | , , , , , , | , , , , , |
| while | throw | static | pockage | instanceof |
| float | do | catch | volatile | this |
| border | short | new | directories | import |
| finally | operator | default | cose | hyperlink |
| void | synchronized | hang | return | native |
| desknote | implements | hertz | final | continue |
| byte | abort | try | switch | banwidth |
| public | long | if | extends | const |
| break | transient | super | protected | interface |
| goto | else | class |) boolean | assert |
| hrows | batch | strictfp | private | int |
| ebug | for | double | char | abstraci |
| | | | | |
| | | | | |

| | | NO : | DATE: | 7 |
|-----------|--------------|------------|------------|------------|
| 1 | | 10. | DATE: | |
| 3 | | | | |
| void | synchronized | return | native | implements |
| final | continue | encode | byte | try |
| switch | giga | public | long | if |
| header | extends | const | grid | break |
| volatile | this | short | new | kernel |
| import | finally | default | case | do |
| fat | catch | float | instanceof | diskette |
| package | static | append | throw | while |
| transient | super | protected | interface | goto |
| logoff | class | else | boolean | стор |
| assert | throws | strict-fp) | private | int |
| for | double | shar pen | abstract | char |
| | | | | |
| | | | | |

| । सर्वे ५० १ | P |
|---------------|------|
| 1 bus | |
| 2 bug | |
| 3 scanner | |
| 4 printer | |
| 5 speaker | |
| 6 chat | |
| 7 icon | |
| 8 sink | |
| 9 scheme | |
| 10 symbol | |
| 11 cursor | |
| | |
| | |
| | |
| | |
| | |
| | |
| private | icon |

| | the same and the s |
|-----------------------|--|
| 1 | |
| 1 | 2 |
| ୍ କେଲ୍ଥ ସ୍ୱର୍ଗ 2 | 1 |
| 1 border | |
| 2 directories | |
| 3 operator | |
| 4 hyperlink 5 hang | |
| 5 hang | |
| 6 desknote | |
| 7 hertz | |
| 3 abort | A DATE OF THE REAL PROPERTY. |
| 9 bannigth | |
| 10 batch | |
| 11 debug | |
| 9 | |
| | |
| | |
| | |
| | |
| | |
| , +. | 160.0 |
| private | icon |
| | |

public stat ବେଲଥ ଖୁନମ[ି] 3 n (1 encode 2 giga 3 grid 4 header 5 kernel 6 fat 7 diskette 8 append 9 logoff 10 crop 11 sharpen private icon static strictfp

2.แบบฝึกหัดเขียน 10 โปรแกรม มีจุดผิดพลาดโปรแกรมละ 5 จุด แยกเฉลย

```
WAR HEROES
SUBJECT
1) public static void list (string f) throws 10 Exception 1
      Int n = 0;
      Byte b[] = new byte[128];
     FileInputstream fin = new FileInputstream (f);
      While ((n = fin.read(b))!=-1) {
      for (int i=0; i<n; i++) {
      System. out. print ((char) & [i]);
   finiclose ();
2) Public static road total salary () throws 10 Exception
     string b, fld[7;
     Filereader fin = new File Reader ("updtxt.dat");
     BufferedReader bin = new BufferedReader (fin);
     Int i = 0, total = 0;
     while ((b = bin. read Line ()) ! = null) {
      fla = b.split (",");
      total = total + Integer parseint (fla[2]);
      1=1+1;
      fin. close ();
      System.out.println ("Tatal salary = "+ total);
```

```
SUBJECT:
      class 70201 {
       public static void main (string args ()) {
       int x;
       x= 6;
       if (x >5) System out printn (" more than S: " + y);
       if (x > 5 R8 x < 10) System. out. println ("five to ten");
       if (x > s 11x < 10) system.out.println("all numbers");
       if(x>10) {
       System.out.println ("more than 10;")
       System.out.println (x);
4) Import Java. util, Date;
       class JO203 E
       public static void main (String args (2))
       byte a = [byte] (new Date (1.get Time () 1.5);
      switch (A) {
       case 1:
      System out println ("one") ; break;
       case 2;
      System out println ("two"); break;
       default:
       System. out. println ("not found"+ a);
```

```
5) import java.io. +:
    class J0303 (
    public static void main (string args []) Throws 10 Exception &
    System. out. println ("Get until receive O [ hidden is 13, 10] ");
     Chan but;
     do {
      But = (char) System. in read();
      System.out.println ("Output is "+ but);
      } while (but != '0');
6) import javaio. *;
      class J03018
      public static void main (string args ()) throws IDException &
      (har but;
      but = [char] System.in. read();
      System. aut. println ("Output is "+ buff);
```

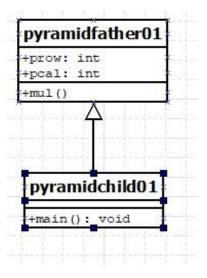
```
JECT :
   7) class 504018
         public static roid main (string args []) {
         sub 1[]; (ub 2(); sub 1();
         static void sub 1618
          System . out-print("x");
          static vaid sub2 ( system.out.print("y"); }
        class J0402 {
        public static void main (string args [7) {
        int s = 0
        S = sub (2,8,5);
        s = sub(7,3,5);
        s = sub (4,6,5);
        System set println ("sum = "+s);
        public static int subclint x, lnt y, lnt = 18
        Int a = y+x+2;
        Return (a+y+x+z);
```

```
9)
      class J0403
      public static void main (string args []) {
      int ; = 3;
      system. gut. println (Double Of Number (j));
       Static int double of number [inti] {
       i=i*2;
       return (i);
10) class pt
        public static rold main (string args []) {
        int x [7 = (4, 18, 12);
        System.out. println ("Amount of array = " + a. length );
        for (int 1= 0; i < x. length; i++) {
        green out println ("element"+i+"="+x[p]);
```

| M | W w |
|---|-----|
| 1) String, int, byte, FileInputstream, while | |
| 2) public, String, File Reader, int, total | |
| 3) [] println , x , ; , } | |
| 4) import, java, (), a,: | |
| 5); throws, char, buf, } | |
| 6) lo Exception, char, (), out, but | |
| 7) String, (), ;, voih, } | |
| 8); , s , 3 , int , return | |
| 9) { , system , double of number , static , () | |
| 10) static, (4,18,12), x.length, Ciz, } | |
| | |
| | |
| \$\frac{1}{3}\frac{1}\frac{1}{3}\f | |
| | |

3. เขียน Class Diagram และ .java 10 ชุด - 5 งาน

3.1 พีระมิค 20



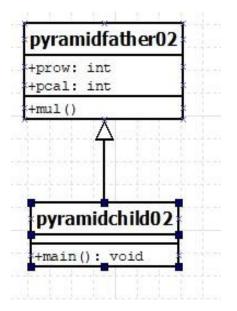
```
class pyramidfather01 {
   public static int prow;
   public static int pcal;

   public static void mul() {
     for(int prow=1;prow<=5;prow++) {
        for(int pcol=1;pcol<=prow;pcol++) {
        System.out.print(prow);
     }
     for(int pcol=1;pcol<=prow;pcol++) {
        System.out.print(" ");
     }
     for(int pcol=1;pcol<=prow;pcol++) {
        System.out.print(prow);
     }
     System.out.println("");
}</pre>
```

```
class pyramidchild01 extends pyramidfather01 {
    public static void main(String args[]) {
        mul();
    }
}
```

```
c:\Program Files\Java\jdk-10.0.2\bin>java pyramidchild01
1 1
22 22
333 333
4444 4444
55555 55555
```

3.2 พีระมิค21



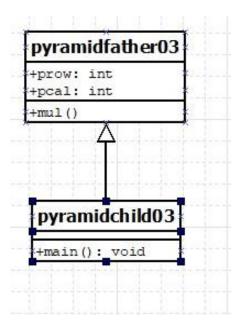
```
class pyramidfather02 {
   public static int prow;
   public static int pcal;

   public static void mul() {
        for(int prow=1;prow<=5;prow++) {
        for(int pcol=prow;pcol<=7;pcol++) {
        System.out.print(" ");
        }
        System.out.print(prow);
        for(int pcol=1;pcol<=prow;pcol++) {
        System.out.print(" ");
        }
        for(int pcol=prow;pcol<=prow;pcol++) {
        System.out.print(8-prow);
        }
        System.out.println("");
}
</pre>
```

```
class pyramidchild02 extends pyramidfather02 {
   public static void main(String args[]) {
      mul();
   }
}
```

```
c:\Program Files\Java\jdk-10.0.2\bin>java pyramidchild02
1 7
2 6
3 5
4 4
5 3
```

3.3 พีระมิค 22



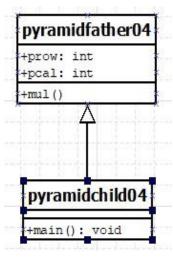
```
class pyramidfather03 {
   public static int prow;
   public static int pcal;

   public static void mul() {
        for(int prow=1;prow<=5;prow++) {
            System.out.print("*");
            for(int pcol=2;pcol<=prow;pcol++) {
                System.out.print(" ");
            }
            for(int pcol=0;pcol<=5-prow;pcol++) {
                System.out.print(prow);
            }
            for(int pcol=0;pcol<=4-prow;pcol++) {
                System.out.print(prow);
            }
            for(int pcol=2;pcol<=prow;pcol++) {
                System.out.print(" ");
            }
            System.out.print("*");
            System.out.print("*");
            System.out.println("");
}</pre>
```

```
class pyramidchild03 extends pyramidfather 03 {
   public static void main(String args[]) {
      mul();
   }
}
```

```
c:\Program Files\Java\jdk-10.0.2\bin>java pyramidchi1d03
*11111111*
* 2222222 *
* 33333 *
* 444 *
* 5 *
```

3 4 พีระมิด 23



```
class pyramidfather04 {
    public static int prow;
    public static int pcal;

public static void mul() {
        for(int prow=1;prow<=5;prow++) {
            System.out.print(prow);
            for(int pcol=1;pcol<=7-prow;pcol++) {
                System.out.print("*");
            }
            for(int pcol=2;pcol<=prow;pcol++) {
                System.out.print("");
            }
            System.out.print(prow);
            System.out.println("");
        }
}</pre>
```

```
class pyramidchild04 extends pyramidfather04 {
   public static void main(String p[]) {
      mul();
   }
}
```

```
c:\Program Files\Java\jdk-10.0.2\bin>java pyramidchild04

[******]

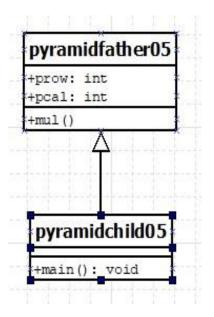
2***** 2

3**** 3

4*** 4

5** 5
```

3.5 พีระมิด 24



```
class pyramidfather05 {
   public static int prow;
   public static int pcal;
   public static void mul() {
        for(int prow=1;prow<=5;prow++) {</pre>
   System.out.print(prow);
   for(int pcol=1;pcol<=prow;pcol++) {</pre>
   System.out.print(" ");
   for(int pcol=2;pcol<=prow;pcol++) {</pre>
   System.out.print(" ");
   for(int pcol=5;pcol>=prow;pcol--) {
   System.out.print(prow);
   for(int pcol=5;pcol>=prow;pcol--) {
   System.out.print(prow);
   System.out.println("");
    }
class pyramidchild05 extends pyramidfather05 {
    public static void main(String p[]) {
        mul();
```

```
c:\Program Files\Java\jdk-10.0.2\bin>java pyramidchild05
1 111111111
2 22222222
3 333333
4 4444
5 55
```