


```

package demo;

public class variable {
    public static void main (String[] args) {
        byte b=10;
        system.out.println (b);
        // x short
        short s=100;
        System.out.println (s);
        // x int
        int i=10000;
        System.out.println (i);
        // x long & double
        double d=13.14;
        System.out.println (d);
        char c='a';
        System.out.println (c);
        // boolean
        boolean b=true;
        System.out.println (b);
        // long
        long c=1000000;
    }
}

```

```

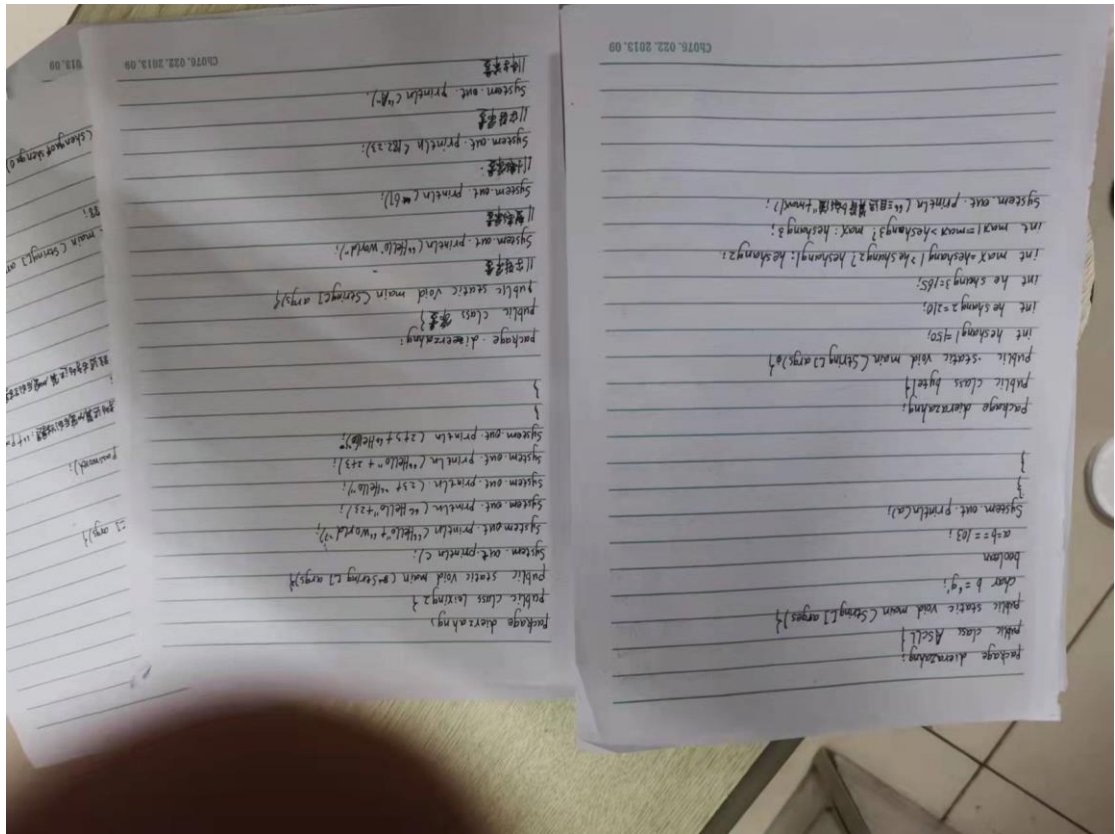
System.out.println ("姓名: " + zhong);
System.out.println ("身高: " + BMI);
System.out.println ("体重: " + BMI);
if (BMI < 18.5) {
    System.out.println ("过轻");
} else if (BMI < 24.9) {
    System.out.println ("正常");
} else if (BMI < 29.9) {
    System.out.println ("过重");
} else {
    System.out.println ("肥胖");
}
}

```



```
package de.rwth;
public class main {
    public static void main(String[] args) {
        int i=0;
        System.out.println("Hello world!");
    }
}
```

system.out.println(c1),
 system.out.println(c1.c1),
 system.out.println(c1.c2),
 double d = 4.4e-45f;
 char c = 'a';
 float f = 4.4e-12f;
 int i = 100;
 byte b = 127;
 public static void main (String[] args)
 public class Learning
 package learning;




```

System.out.println(i);
}
}
}
package threeone;
public class twentytwo {
    public static void main(String[] args) {
        System.out.println("22");
        for (int i=1; i<=10; i++)
            for (int x=1; x<=10; x++)
                if (x==1 || x==10)
                    continue;
                else {
                    System.out.println(i + " " + x + "\n");
                }
            }
        }
    }
}
package threeone;
import java.util.Random;
public class twentythree {
    public static void main(String[] args) {
        Random r = new Random();
        for (int i=0; i<10; i++) {

```

```

int number = r.nextInt(10);
System.out.println("number: " + number);
}
int x = r.nextInt(10);
System.out.println(x);
}
}
package threeone;
import java.util.Random;
public class twentyfour {
    public static void main(String[] args) {
        Random r = new Random();
        int number = r.nextInt(10);
        num: for (int i=0; i<=10; i++)
            System.out.println("i: " + i);
        Scanner sc = new Scanner(System.in);
        int num = sc.nextInt();
        if (num < number) {
            System.out.println("wrong");
        } else if (num > number) {
            System.out.println("wrong");
        } else {
            System.out.println("right");
        }
        break num;
    }
}

```


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```

public class twenty9 {
    public static void main (String[] args) {
        for (int i = 1; i < 20; i++) {
            if (i % 2 != 0)
                break;
        }
    }
}

// System.out.println ("num + temp + temp2");
num1 = num2;
temp = num1;
num1 += num2;
for (int i = 2; i < num1; i++) {
    int num = sc.nextInt();
    Scanner sc = new Scanner (System.in);
    int num1 = num2 + temp;
    Scanner sc = new Scanner (System.in);
    int num1 = num2 + temp;
    public static void main (String[] args) {
        import java.util.Scanner;
        temp2 = temp;
    }
}

```

```

for (int i = 0; i < arr.length; i++) {
    // break loop;
    break;
}

System.out.println("1st array: " + arr);
}

package three;

public class Nineteen {
    public static void main (String[] args) {
        int number = 0;

        num: for (int i = 0; i < 8; i++) {
            for (int x = 1; x < 8; x++) {
                if (i * x == 5) {
                    break num;
                }
            }
        }
        System.out.println("1st array: " + arr);
    }
}

```

```
Scanner In = new Scanner(System.in);
m = m.hexLength();
for (int i = 0; i < m.length(); i++)
    m2 = m2 + m.charAt(i);
n3 = n2;
n2 = m2 + m2;
n1 = n3;
System.out.println("n2 + n3 = " + n2);
package thirteen;
public class sixteen {
    public static void main (String[] args) {
        for (int i = 0; i < 20; i++)
            if (i % 2 == 0)
                System.out.println(i);
        break;
    }
}
package thirteen;
import java.util.Scanner;
System.out.println("end ...");
```

```
public class seventeen {
    public static void main (String[] args) {
        Scanner sc = new Scanner(System.in);
        int num = sc.nextInt();
        for (int i = 0; i < num; i++)
            for (int j = 0; j < num; j++)
                System.out.println(i + " " + j);
        System.out.println();
        for (int i = 0; i < 20; i++)
            System.out.println(i);
        package thirteen;
        public class eight {
            public static void main (String[] args) {
                loop;
                for (int i = 0; i < 30; i++)
                    if (i % 10 == 0)
                        continue;
            }
        }
    }
}
```



```

public class ten {
    public static void main (String[] args) {
        int x = 99999;
        double y = 0.1;
        int number = 0;
        while (y < x) {
            y *= 2;
            number = number + 1;
        }
        System.out.println ("number: " + number);
    }
}

```

```

package threone;

public class fourteen {
    public static void main (String[] args) {
        for (int i = 0; i < args.length; i++) {
            int a, b, c, sum;
            a = number / 10;
            b = number % 10;
            c = number / 100;
            sum = a * a + b * b + c * c;
            if (sum == number) {
                System.out.println(number + " is a happy number");
            }
            number = number + 1;
        }
    }
}

```

```

while (i < 5) {
    System.out.println("Hello world!");
    i++;
}

package threene;
public class eleven {
    public static void main (String[] args) {
        for (int i = 1; i <= 5; i++) {
            System.out.println(i);
        }
    }
}

package threene;
public class twelve {
    public static void main (String[] args) {
        int sum = 0;
        for (int i = 1; i <= 5; i++) {
            sum += i;
        }
        System.out.println("sum: " + sum);
    }
}

package threene;
public class ten {
    public static void main (String[] args) {
        int x = 8344430;
        double y = 0.1;
        int number = 0;
        while (y <= x) {
            y = 2;
            number = number + 1;
        }
    }
}

```

```

System.out.println("x: " + x + "y: " + y + "number: " + number);
}

package threene;
public class eleven {
    public static void main (String[] args) {
        for (int i = 1; i <= 5; i++) {
            System.out.println(i);
        }
    }
}

package threene;
public class twelve {
    public static void main (String[] args) {
        int sum = 0;
        for (int i = 1; i <= 5; i++) {
            sum += i;
        }
        System.out.println("sum: " + sum);
    }
}

package threene;

```

```
}  
system.out.println("age of person");  
}  
  
package threeone;  
import java.util.*; Scanner;  
  
class  
public class Ser9 {  
  
    }  
}
```

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```

package three;

import java.util.Scanner;

public class five {

    public static void main (String args[]) {
        Scanner number = new Scanner (System.in);

        int x = number.nextInt();

        if (x < 0) {
            System.out.println ("negative");
        } else if (x > 60 && x <= 80) {
            System.out.println ("good");
        } else if (x > 80 && x <= 90) {
            System.out.println ("very good");
        } else if (x > 90 && x <= 100) {
            System.out.println ("great job");
        }
    }
}

```

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public static void main (String[] args) {
 Scanner sc = new Scanner (System.in);
 System.out.println ("Enter grade:");
 int grade = sc.nextInt();
 switch (grade) {
 case 10:
 case 9:
 case 8:
 case 7:
 case 6:
 case 5:
 case 4:
 case 3:
 case 2:
 case 1:
 case 0:
 break;
 }
 System.out.println ("Grade:");
 break;
 }
 }

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```

package three;
import java.util.Scanner;
public class five {
    public static void main (String args[]) {
        Scanner number = new Scanner (System.in);
        int x = number.nextInt();
        if (x < 0) {
            System.out.println ("negative");
        } else if (x > 60 && x <= 80) {
            System.out.println ("60 to 80");
        } else if (x > 80 && x <= 90) {
            System.out.println ("80 to 90");
        } else if (x > 90 && x <= 100) {
            System.out.println ("90 to 100");
        } else {
            System.out.println ("invalid input");
        }
    }
}

```

public static void main (String[] args) {
 Scanner sc = new Scanner (System.in);
 System.out.println ("Enter grade:");
 int grade = sc.nextInt();
 switch (grade) {
 case 10:
 case 9:
 case 8:
 case 7:
 case 6:
 case 5:
 case 4:
 case 3:
 case 2:
 case 1:
 case 0:
 break;
 }
 System.out.println ("Grade:");
 break;
 }
 }


```
public static void main(String[] args) {
    public class bn {
        package re;
```

```
    System.out.println("number: " + number);
    if (number % 2 == 0) {
        in number = 50; nextInt();
        Scanner sc = new Scanner(System.in);
```

```
    public static void main(String[] args) {
        public class three {
            import java.util.Scanner;
```

```
        package + threeone;
    }
}
```

```
    System.out.println("a+b");
    System.out.println("a+b");
    else
```

```
    System.out.println("a+b");
    if (a < b) {
        int b = 20;
```

```
        int a = 10;
        public static void main(String[] args) {
            public class one {
```

```
    System.out.println("a+b");
    public static void main(String[] args) {
        public class two {
            package + twoone;
```

```
    System.out.println("a+b");
    System.out.println("a+b");
    if (a == c) {
        int c = 10;
```

```
    System.out.println("a+b");
    if (a == b) {
        int b = 20;
        int a = 10;
```

```
    System.out.println("a+b");
    if (a == b) {
        int b = 20;
        int a = 10;
```

```
    System.out.println("a+b");
    public static void main(String[] args) {
        public class one {
```

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```

package three;

import java.util.Scanner;

public class five {

    public static void main (String args[]) {
        Scanner number = new Scanner (System.in);

        int x = number.nextInt();

        if (x < 0) {
            System.out.println ("negative");
        } else if (x > 60 && x <= 80) {
            System.out.println ("60 to 80");
        } else if (x > 80 && x <= 90) {
            System.out.println ("80 to 90");
        } else if (x > 90 && x <= 100) {
            System.out.println ("90 to 100");
        } else {
            System.out.println ("invalid");
        }
    }
}

```

public static void main (String[] args) {
 Scanner sc = new Scanner (System.in);
 System.out.println ("Enter grade:");
 int grade = sc.nextInt();
 switch (grade) {
 case 10:
 case 9:
 case 8:
 case 7:
 case 6:
 case 5:
 case 4:
 case 3:
 case 2:
 case 1:
 case 0:
 break;
 }
 System.out.println ("Grade:");
 break;
 }
 }