Cheatography

Java for basics Cheat Sheet

by khaowpoon101 via cheatography.com/25816/cs/8966/

data types

boolean = true, false
char = 16 bit, UTF-16
byte = 8 bit, -128...127
short = 16 bit, -32.768 ... 32.767
int = 32 bit, -231 to +231-1
long =64 bit, -263 to +263-1,long x = 100l;
float = 32 bit
double =64 bit

Intro assi 2

```
public class Main {
    public static void
main(String[] args) {
        // write your code here
        int count = 1;
        while(count>0)
        {
            drawX();
            box();
            Xbox();
            count--;
        }
    }
    public static void drawX()
    {
        System.out.println("\\ /");
        System.out.println(" \\
/");
        System.out.println(" \\ /"
);
```

Intro assi 2 (cont)

```
        System.out.println(" \\/"
);
        System.out.println(" /\\
");
        System.out.println(" /
\\");
        System.out.println(" /
\\");
        System.out.println("/ \\");
    }
    public static void box()
    {
        System.out.println("\"\'\'\
'\'\'\'\'\" ");
        System.out.println("\"\t\t\
"");
        System.out.println("\"\t\t\
"");
        System.out.println("\"\t\t\
"");
        System.out.println("\"\t\t\
"");
        System.out.println("\"\t\t\
"");
        System.out.println("\"\'\'\
'\'\'\'\'\" ");
    }
    public static void Xbox()
    {
        System.out.print("\\ /");
        System.out.println("\"\'\'\
'\'\'\'\'\"");
        System.out.print(" \\ /");
        System.out.println("
\"\t\t\"");
        System.out.print(" \\ /");
        System.out.println("
\"\t\t\"");
        System.out.print(" \\/");
```

Intro assi 2 (cont)

```
        System.out.println("
\"\t\t\"");
        System.out.print(" /\\");
        System.out.println("
\"\t\t\"");
        System.out.print(" / \\");
        System.out.println("
\"\t\t\"");
        System.out.print(" / \\");
        System.out.println("
\"\t\t\"");
        System.out.print("/ \\");
        System.out.println("\"\'\'\
'\'\'\'\'\"");
    }
```

Intro assi 1

```
public class Main {
    public static void
main(String[] args) {
        String numbers
="0246897531";
        drawZero();
        drawOne();
        drawTwo();
        drawThree();
        drawFour();
        drawFive();
        drawSix();
        drawSeven();
        drawEight();
        drawNine();
        drawNumber("0246897531");
    }
```

Intro assi 1 (cont)

```
    public static void drawZero(){
        System.out.println("0000000
");
        System.out.println("0 0");
        System.out.println("0 0");
        System.out.println("0 0");
        System.out.println("0000000
");
    }
    public static void drawOne(){
        System.out.println(" 1");
        System.out.println("1 1");
        System.out.println(" 1");
        System.out.println(" 1");
        System.out.println("1111111
");
    }
    public static void drawTwo(){
        System.out.println("2222222
");
        System.out.println(" 2");
        System.out.println("2222222
");
        System.out.println("2");
        System.out.println("2222222
");
    }
    public static void drawThree(){
        System.out.println("3333333
");
        System.out.println(" 3");
        System.out.println("3333333
");
        System.out.println(" 3");
```

Intro assi 1 (cont)

```
        System.out.println("3333333
");
    }
    public static void drawFour(){
        System.out.println("4 4");
        System.out.println("4 4");
        System.out.println("4444444
");
        System.out.println(" 4");
        System.out.println(" 4");
    }
    public static void drawFive(){
        System.out.println("5555555
");
        System.out.println("5");
        System.out.println("5555555
");
        System.out.println(" 5");
        System.out.println("5555555
");
    }
    public static void drawSix(){
        System.out.println("6666666
");
        System.out.println("6");
        System.out.println("6666666
");
        System.out.println("6 6");
        System.out.println("6666666
");
    }
    public static void
drawSeven(){
        System.out.println("7777777
");
        System.out.println(" 7");
```

Intro assi 1 (cont)

```
        System.out.println(" 7");
        System.out.println(" 7");
    }
    public static void
drawEight(){
        System.out.println("8888888
");
        System.out.println("8 8");
        System.out.println("8888888
");
        System.out.println("8 8");
        System.out.println("8888888
");
    }
    public static void drawNine(){
        System.out.println("9999999
");
        System.out.println("9 9");
        System.out.println("9999999
");
        System.out.println(" 9");
        System.out.println("9999999
");
    }
    public static void
drawNumber(String numbers){
        int index = 0;
        while(index<numbers.length(
)) {
            if(numbers.charAt(index
)=='0')
                drawZero();
            else
if(numbers.charAt(index)=='1')
                drawOne();
            else
if(numbers.charAt(index)=='2')
```

Intro assi 1 (cont)

```
                drawTwo();
            else
if(numbers.charAt(index)=='3')
                drawThree();
            else
if(numbers.charAt(index)=='4')
                drawFour();
            else
if(numbers.charAt(index)=='5')
                drawFive();
            else
if(numbers.charAt(index)=='6')
                drawSix();
            else
if(numbers.charAt(index)=='7')
                drawSeven();
            else
if(numbers.charAt(index)=='8')
                drawEight();
            else if
(numbers.charAt(index)=='9')
                drawNine();
            index++;
```

Java escape sequences

* Asterisk (*)
^ Carat (^)
` Backtick (`)
\t Tab
\b Backspace
\n New line
\r Carriage return

swap code

```
public static void swap(int[]
list, int e1, int e2){
        int temp;
        temp = list[e1];
        list[e1] = list[e2];
        list[e2] = temp;
        for (int i: list){
            System.out.println(i);
        }
    }
    public static void
main(String[] args){
        int[] mylist =
{1,2,3,4,5};
        swap(mylist, 0, 3);
    }
```

For loop array

```
string word = "Hello";
for (char c: word toCharArray(){
      system.out.print()
}
```

Class

```
public class ABCD{
    public A () {
       //code
}
    public void B(){
```

Class (cont)

```
       //code
}
```

Operators

+ (Addition)
Adds values on either side of the operator
- (Subtraction)
Subtracts right hand operand from left hand operand
* (Multiplication)
Multiplies values on either side of the operator
/ (Division)
Divides left hand operand by right hand operand
% (Modulus)
Divides left hand operand by right hand operand and returns remainder
++ (Increment)
Increases the value of operand by 1
-- (Decrement)
Decreases the value of operand by 1

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