Lista de Exercícios - 15/04

Exercício 01

A ^ ~ B ^ C					
A	B	C	~B	A ^ ~B	Resultado
0	0	0	1	0	0
0	0	1	1	0	0
0	1	0	0	0	0
0	1	1	0	0	0
1	0	0	1	1	0
1	0	1	1	1	1
1	1	0	0	0	0

Exercício 02

~A v (B ^ C)					
A	B	C	~A	B ^ C	Resultado
0	0	0	1	0	1
0	0	1	1	0	1
0	1	0	1	0	1
0	1	1	1	1	0
1	0	0	0	0	0
1	0	1	0	0	0
1	1	0	0	0	0
1	1	1	0	1	1

Exercício 03

```java
class Main {
    public static void main(String[] args) {

      System.out.println("Tabela Ascii");

      System.out.println("---------------");
      // Char conversor
      for(int i = 32; i < 256; i++) {
        System.out.println("| Código | Caracter |");
        if(i < 99) {
          System.out.println("|    " + i + " |    " + (char)i + "  |");
          continue;
        }
        System.out.println("|  " + i + " |    " + (char)i + "  |");
      }
      System.out.println("---------------");
    }
}
```

Exercício 04

```java
import java.util.Scanner;

public class UpperLowerCase {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        int maskUpper = 0b1011111;
        int maskLower = 0b0100000;

        System.out.println("Digite um letra: ");
        char letter = sc.next().charAt(0);

        int upper = letter & maskUpper;
        int lower = letter | maskLower;

        System.out.println("Caractere Maisculo: " + (char)upper);
        System.out.println("Caractere Minusculo: " + (char)lower);

    }

}
```

Exercício 05

```java
import java.util.Scanner;

public class VerifyPermission {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        System.out.println("Digite um numero: ");
        int value = sc.nextInt();

        int mask = 0b0010;

        int permission = value & mask;

        System.out.println("Permission: " + permission);

        if (permission > 0) {
            System.out.println("Voce tem permissao de leitura");
        }
```

```
        }

    }
```

Exercício 6

```java
public class LeftShift {

    public static void main(String[] args) {
        for (int i = 1; i != 0;) {
            System.out.println(i);
            i = i<<1;
        }
    }

}
```

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