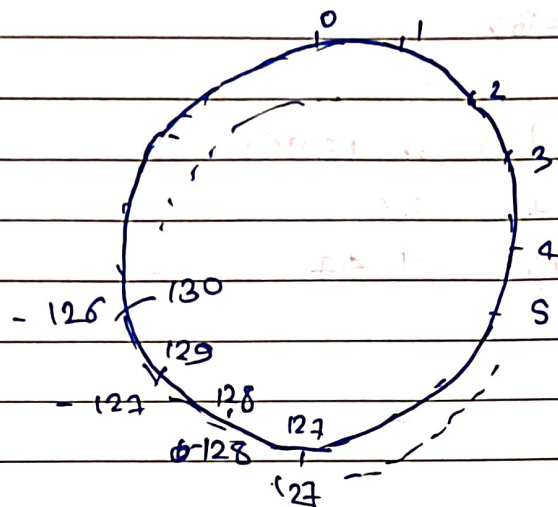


Day 13

$$\begin{array}{r} 200 \\ 128 \\ \hline 072 \\ + 73 \\ \hline 055 \end{array}$$

Byte ^{cycle} character



Byte cycle

$$\begin{array}{r} + 127 \\ - 128 \\ \hline - 001 \\ + 200 \\ \hline 055 \end{array}$$

Eg:

byte b = (byte) 200;
System.out.println(b);

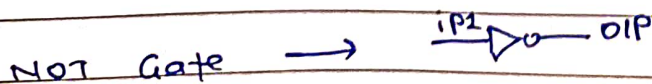
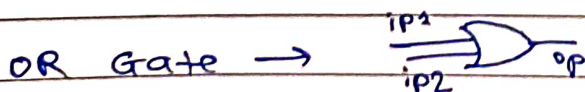
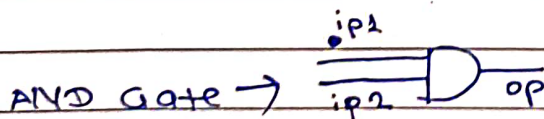
short S = (short) 3269;

System.out.println(S);

concept:

$$\begin{array}{r} 200 \\ - 128 \\ \hline 072 \\ + 73 \\ \hline 055 \end{array}$$

Logical Operators: → (something which is used to perform)



Date :

Q18) WAP to find product of digits.

→

```
import java.util.Scanner;
```

```
class ProductOfDigits
```

```
{
```

```
    public static void main (String args[]);  
{
```

```
    System.out.print("Enter no. between 0000 to 10000:");
```

```
    int num = new Scanner(System.in).nextInt();
```

```
    int rem;
```

```
    int productOfDigits=1
```

```
    rem = num%10;
```

```
    productOfDigits = (rem!=0)? productOfDigits * rem:  
    productOfDigits * 1;
```

```
    num = num/10;
```

```
    rem = num%10;
```

```
    productOfDigits = (rem!=0)? productOfDigits * rem:  
    productOfDigits * 1;
```

```
    num = num/10;
```

```
    rem = num%10;
```

```
    productOfDigits = (rem!=0)? productOfDigits * rem:  
    productOfDigits * 1;
```

```
    num = num/10;
```

```
    rem = num%10;
```

```
    productOfDigits = (rem!=0)? productOfDigits * rem:  
    productOfDigits * 1;
```

```
    num = num/10;
```

```
}
```

```
}
```


Q18)

WAP to find Prime from 1 to 25?

→

```
import java.util.Scanner;
class PrimeNum
{
```

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

```
        System.out.println("Enter Number betn 1 to 25");
```

```
        int num = scanner new Scanner(System.in).nextInt();
```

```
        System.out.println((num==1 ? num+"IS Prime":
```

```
        (num==2 || num==3 || num==5) ? (num+"IS prime":
```

```
        (num%2==0 || num%5==0 || num%3==0 ?
```

```
        (num+"IS Not Prime") : (num+"IS Prime")
```

```
        ));
```

```
    }
```

```
}
```

Q20)

WAP to calculate BMI

→

```
import java.util.Scanner;
```

```
class BMI
```

```
{
```

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

```
        final float pounds = 0.45359237f;
```

```
        final float meters = 0.0254f;
```

```
        Scanner sc = new Scanner(System.in);
```

```
        System.out.print("\n Enter weight in Pound");
```

```
        float weight = sc.nextFloat();
```

```
        System.out.print("\n Enter Heights in Inches:");
```

```
        float height = sc.nextFloat();
```

```
float mm = meters * height;
float kilogram = weight * pounds;
```

```
float bmi = kilogram / (mm * mm);
```

```
3 System.out.println("In BMI IS " + bmi);
```

```
3
```