1. How to print an integer entered by the user:

```java
import java.util.Scanner;


public class Main{
  public static void main(String [] args){
      Scanner reader= new Scanner(System.in);
      System.out.println("Enter a Number:");
      int answer = reader.nextInt();
      System.out.println(answer);
  }
}
```

2. Arithmatic Operations

```java
public class Main{
  public static void main(String [] args){
      int a=10;
      int b=5;
      int sum=a+b;
      int sub=a=b;
      int mul=a*b;
      int div=a/b;
      System.out.println("Addition:"+sum);
      System.out.println("Subtraction:"+sub);
      System.out.println("Multiplication:"+mul);
      System.out.println("Divition:"+div);
  }
}
```

3. Ascii character

```java
public class Main{
  public static void main(String [] args){
  char c='a';
  int ascii =c;
  int asciicast = (int) c;
  System.out.println(ascii);
  System.out.println(asciicast);
```

```
  }
}
```

4. Compute and Quitatnt and remainder

```
public class Main {
  public static void main(String[] args) {
      int dividend = 25, divisor = 4;

    int quotient = dividend / divisor;
    int remainder = dividend % divisor;

    System.out.println("Quotient = " + quotient);
    System.out.println("Remainder = " + remainder);
  }
}
```

5. Swap number

```
public class Main {
  public static void main(String[] args) {
         int a=10;
         int b=20;

         int temp;
         temp=a;
         a=b;
         b=temp;

         System.out.println(a);
         System.out.println(b);
  }
}
```

6. Odd and Even number

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

```
   if(a % 2==0){
      System.out.println("It is even number");
    }else{
        System.out.println("It is odd number");
   }
  }
}
```

7. Vowerl or Consonant

```
public class Main {
  public static void main(String[] args) {
         char a='e';

   if(a == 'a' ||a == 'e' || a == 'i' || a == 'o' || a == 'u'  ){
      System.out.println("It is Vowel");
    }else{
        System.out.println("It is Consonant");
   }
  }
}
```

8. Find Largest Number Amoung Three Number

```
public class Main {
  public static void main(String[] args) {
      int a=20;
      int b=30;
      int c=40;

   if((a>=b)&&(a>=c)){
      System.out.println("Largest Number:"+a);
    }else if((b>=a)&&(b>=c)){
        System.out.println("Largest Number:"+b);
   }else{
    System.out.println("Largest Number:"+c);
   }
  }
}
```

9. Find Second Largest Number

```java
public class Main {
  public static void main(String[] args) {
      int a = 20;
      int b = 30;
      int c = 40;

      if ((a >= b) && (a >= c)) {
          if (b >= c) {
              System.out.println("Second Largest Number: " + b);
          } else {
              System.out.println("Second Largest Number: " + c);
          }
      } else if ((b >= a) && (b >= c)) {
          if (a >= c) {
              System.out.println("Second Largest Number: " + a);
          } else {
              System.out.println("Second Largest Number: " + c);
          }
      } else {
          if (a >= b) {
              System.out.println("Second Largest Number: " + a);
          } else {
              System.out.println("Second Largest Number: " + b);
          }
      }
  }
}
```

10. Leap Year

```java
public class Main {
  public static void main(String[] args) {
      int year = 2024;


      if ((year % 4 ==0) && (year % 100 !=0) || (year % 400 ==0)) {
       System.out.println("It is leap year "+ year);
      } else  {
       System.out.println("It is not learp year "+ year);
      }
  }
}
```

11. Check Positive or Negative

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

```
      int a = -2;


      if (a >=0 && a<=9) {
       System.out.println("It is positive number "+ a);
      } else  {
       System.out.println("It is negative number "+ a);
      }
  }
}
```

12. Check Alphabet or not

```
public class Main {
  public static void main(String[] args) {
      char a = '2';


      if (a >='a' && a<= 'z') {
       System.out.println("It is albhabet letter "+ a);
      } else  {
       System.out.println("It is not albhabet letter "+ a);
      }
  }
}
```

13. Sum Naturals Numbers

```
public class Main {
  public static void main(String[] args) {
  int number=10;
  int answer=0;

  for(int i=1;i<=number;++i){
    answer +=i;
  }
  System.out.println(answer);
  }
}
```

14. Find Factorial numbers

```
public class Main {
  public static void main(String[] args) {
  int number=5;
  int answer=1;
```

```
  for(int i=1;i<=number;++i){
    answer *=i;
  }
  System.out.println(answer);
  }
}
```

15. Multiplication number

```
public class Main {
  public static void main(String[] args) {
  int number=10;
  int mul;

  for(int i=1;i<=number;++i){
  mul=i*number;
  System.out.println(i+"*"+number+"="+mul);
  }
  }
}
```

16. Find Fibonacci series

```
public class Main {
  public static void main(String[] args) {
  int number=10;
  int first=0;
  int second=1;

  System.out.println(first);
  System.out.println(second);

  for(int i=2;i<=number;++i){
     int next=first+second;
     System.out.println(next);
     first=second;
     second=next;
  }
 }
}
```

17. Alphabet loop

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


  for(char i='a';i<='z';++i){
     System.out.println(i);
  }
 }
}
```

18. Count number of digit

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

  int number=398493;
  int count=0;

  while(number !=0){
  number=number/10;
  count++;
  }
  System.out.println(count);
 }
}
```

19. Reverse Number

```
public class Main {
  public static void main(String[] args) {
      int number=12345;
      int remainder,reverse=0;

      while(number != 0){
       remainder=number % 10;
       reverse = reverse *10+remainder;
       number=number/10;
      }
      System.out.println(reverse);
  }
}
```

20. Pow of number

```
public class Main {
  public static void main(String[] args) {
        int base =2;
        int power=3;
        int answer=1;

        for(int i=power;i>=1;--i){
        answer=answer*base;
        }
      System.out.println(answer);
  }
}
```

21. Palindrome number

```
public class Main {
    public static void main(String[] args) {
        String name = "pop";
        String reverseName = "";

        for (int i = name.length() - 1; i >= 0; --i) {
            reverseName = reverseName + name.charAt(i);
        }
        if (name.equals(reverseName)) {
            System.out.println("It is a palindrome");
        } else {
            System.out.println("It is not a palindrome");
        }
    }
}
```