

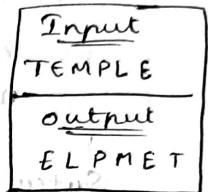
Easy Level Programs:-

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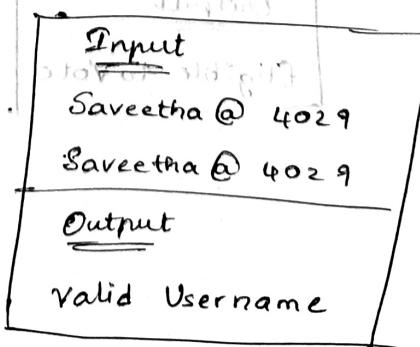
1. Reverse a word using loop:-

```
public class reverse {
    public static void main (String[], args) {
        Scanner input = new Scanner (System.in);
        String name = input.nextLine();
        String empty = "";
        int len = name.length();
        for (int i = len - 1; i >= 0; i--) {
            empty = empty + name.charAt(i);
        }
        System.out.println(empty);
    }
}
```



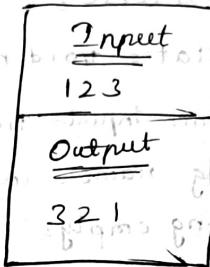
2. Username Valid or not :-

```
public class Username {
    public static void main (String[], args) {
        Scanner input = new Scanner (System.in);
        String s1 = input.nextLine();
        String s2 = input.nextLine();
        if (s1 == s2) {
            System.out.println("Valid Username");
        } else {
            System.out.println("Invalid password");
        }
    }
}
```



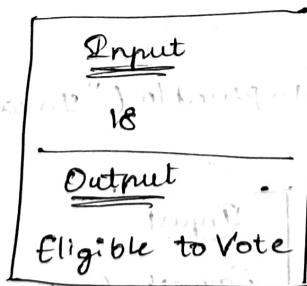
3. Reverse a number using loop:-

```
public class reverse {
    public static void main (String [] args) {
        int num = 123;
        int rev = 0;
        while (num != 0) {
            int rem = num % 10;
            rev = rev * 10 + rem;
            num /= 10;
        }
        System.out.println (rev);
    }
}
```



4. Eligible to vote

```
public class vote {
    public static void main (String [] args) {
        int age = 18;
        if (age >= 18) {
            System.out.println ("Eligible to vote");
        } else {
            System.out.println ("Non eligible to vote");
        }
    }
}
```



a) LCM & GCD :-

```
public class GCD {  
    public static void main(String[], args) {  
        int x = 18, y = 24, smaller;  
        if (x > y) {  
            smaller = y;  
        } else {  
            smaller = x;  
        }  
        for (int i = 1; i < smaller; i++) {  
            if (x % i == 0) {  
                int gcd = i;  
            }  
        }  
        System.out.println(gcd);  
        System.out.println(lcm);  
    }  
}
```

Input
18, 24
Output
Lcm = 72 GCD = 6

b) Right Triangle Star Pattern

```
public class pattern {  
    public static void main(String[], args) {  
        int n = 5;  
        for (int i = 1; i <= 5; i++) {  
            for (int j = 0; j <= n - i; j++) {  
                System.out.print(" ");  
            }  
            for (int k = 0; k <= i - 1; k++) {  
                System.out.print("*");  
            }  
            System.out.println();  
        }  
    }  
}
```

Input
n = 5
5 *

7) Pattern

public class pattern {

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

```
        int n = 5; i, j;
```

```
        for (i = 1; i <= n; i++) {
```

```
            System.out.print (" ");
```

```
            for (j = 1; j <= i; j++) {
```

```
                System.out.print (" " + );
```

```
                a = a * (i - j) / j;
```

```
            }
```

```
            System.out.println ();
```

```
}
```

```
}
```

8) Simple Interest

public class SI {

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

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

```
        int pri = 200000;
```

```
        int yr = 3;
```

```
        char age = input.next().charAt(0);
```

```
        double interest = 0.0;
```

```
        if (age == 'y') {
```

```
            interest = (pri * yr * 0.12) / 100;
```

```
            System.out.println (Interest);
```

```
        } else {
```

```
            interest = (pri * yr * 0.1) / 100;
```

```
            System.out.println (interest);
```

```
        }
```

Input

5

Output

1

1 1

1 2 2

1 3 3 3

1 4 6 4 1

1 5 10 10 5 1

Input

200000

3

n

Output

60000

9 Fibonacci Sum

```

public class FibanocciSum {
    public static void main (String[], args) {
        int n = input.nextLine();
        int a1 = 0, a2 = 1, a3;
        int a[] = new int [50];
        for (int i = 0; i < 10; i++) {
            a[i] = a1;
            System.out.print (a[i] + " ");
            a3 = a1 + a2;
            a1 = a2;
            a2 = a3;
        }
        int sum = 0;
        for (int i = 0; i <= n * 2; i = i + 2) {
            sum = sum + a[i];
        }
        System.out.println ("Sum : " + sum);
    }
}

```

Input = 4
Output = 33

10 Numbers :-

```

public class numbers {
    public static void main (String [], args) {
        int m = 50, N = 100, k = 7;
        for (int i = m; i <= n; i = i + k + 1) {
            System.out.print (i + " ");
        }
    }
}

```

Input = 50, 100, 7
Output = 50, 58, 66, 74 - - -