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24/7/24
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JAVA

1. Reverse a word using loop.

```
Public class reverse {
    Public static void main (String[], args){
        Scannar input = new. Scanner (System .in);
        String name = input .next time ();
        String empty = "    "
        int len = name. length ();
        for (int i = len -1; i >= 0; i--){
            empty = empty + name . char At [i];
        }
        System out printlen(empty );
    }
}
```

Input:

TEAM

Output:

MAET

2). Username valid or not:

```
Public class username{
    Public static void main (string [], args){
        Scanner input = new scanner (system.in);
        String s1 = input.next line();
        String s2 = input.next line();
        if (s1 == s2){
            system.out print ln (" valid username")
        }
        else{
            system.out print ln (" Invalid username")
        }
    }
}
```

Input:

Nithish@2005

Output:

valid username.

3. Reverse a number using loop.

```
Public clave reverse {
    Public static void main (string [] args){
        int num = 123;
        int rev = 0;
        while (num != 0){
            int rush = num, 10;
            rev = rev * 10 + rush;
            num = 10
        }
        System. out print ln (rev);
    }
}
```

Input:
456

Output:
654

4). Eligible to vote.

```
Public class vote {
    Public static void main (string [ ] args) {
        int age=18;
        if (age >= 18) {
            System.out print ln ("Eligible")
        }
        Else {
            system.out print ln ("not eligible")
        } } }
```

Input :
       18
output :
       Eligble.

5. LCM & GCD:-

```java
Public class GCD{
    Public static void main(String T], args){
        int x=18, y=54; smaller;
        if (x>y){
            smaller = y;
        }
        else {
            smaller = x;
        }
        for (int x=1; i<smaller; i++){
            if(x% i == 0){
            }   int gcd=i;
        }
        System.out Print ln (gcd);
        System.out print ln (lcm);
    }
}
```

Input :
16,20

Output:
lcm = 8
GCD = 4

6. Right triangle star pattern.

```
Public class Patterns {
    Public static void main [string[], args]{
        int n=s;
        for (int j=1; j<=5; j++)2
            for (int j=0; j<=n; j++)2
            System.out print (" ");{
            for (int k=0; k<i,k++)2
                System.out print ("*");
        }
        System.out Println ;
    }}}
```

Output:
```
*
* *
* * *
* * * *
* * * * * *
```

7. Pattern :

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

Output:
```
      1
    1   1
   1  2  1
  1  3  3  1
 1  4  6  4  1
```

8. Simple Interest:

```
Public class [ ] {
        Public static void main (string[]. args) {
            Scanner input = new scanner (system.in);
            int PII = 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 print ln(interest);
            }
            else {
                interest = (pri * yr * 0.1)/100;
                System.out println(interest);
            }
        }
    }
```

Output:
    60000

9. Fibonacci Sum:

```
Public class Fibonaci sum {
    Public  static (void main (string [] args) {
        int n= input .next line ();
        int a1 = 0, a2 = 1, a3 = 3
        Int a[] = next
        for (int i=0; i<10; i++) {
            a[i] = a1;
            System .out print (a[i] + " ");
            a3 = a1 + a2;
            a1 = a2;
        y    a2 = a3;
        int sum = 0
        for (int i=0; i <= n*2; i+1 +2) {
        y   sum = sum + a[i];
    y y y system. out print ln ("sum :" + sum);
```

Output:
88.

8. Simple Internet:

```
Public class [ ]{
    Public static void main (string[], args){
        Scanner input = new Scanner (System . in);
        int Pri = 200000;
        int yr = 3;
        Char age = input . next (). char At (0);
        double interset = 0.0;
        if (age == 'y'){
            interest (Pri * yr * 0.12)/100;
            System. out print In(interest);
        }
        else{
            interest = (pri * yr * 0.1)/100;
            System. out print In (interest);
        }
    }
}
```

Output:
        60000