Course Code : CSA 0993

Course Name : Programming in JAVA
for Application Development

A. Mohamed Afzal

192321168

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1]

```java
import java.util. Scanner;
public class av {
    Scanner input = new scanner (system.in);
    String name = input. nextline ();
    String empty = " ";
    int len = name. length ();
    for (int i = len-i; i >=0; i--) {
            empty = empty + name. charAt(i);
    }
      System.out. print (empty);
}
```

2]

```java
import java. util. Scanner;
public class av {
    Scanner input = new scanner (system. in);

    S1 = input. nextline ();
    S2 = input. nextline ();
    if ( S1 == S2)
        System. out. print ( " user name ");

    else
        system. out. print ( "  ");
```

```java
3]  import java.util.Scanner;
    public class a {
    Scanner input = new Scanner (System.in);
    int n = input.nextInt();
    int rev = 0;
    while (n != 0) {
        int rem = n % 10;
        rev = rev * 10 + rem;
        n = n / 10;
    }
    System.out.print (rev);
    }
```

```java
4]  import java.util.Scanner {
    public class an {
        Scanner input = new Scanner (System.in);
        int age = input.nextline();
        if (age > 18)
            System.out.print ("    ");
        else it (age <= 0)
            System.out.print ("   ");
        else
            System.out.print ("   " + (18 - age));
    }
```

```java
5]  import java.util.Scanner;

    public class ak {

        static int gcd (int a, int b) {
```

```java
        if (a==0)
            return b;
        return gcd (b%a, a);
    }
    static int findgcd ( int a[], int n)
    {   int res = a[0];
        for (int i=0; i<n; i++) {
            res = gcd (res, a[i]);
            if (res==1)
                    return 1;
        }
        return res;
    }
    public static void main (string[] args)
    {
        Scanner input = new Scanner (System.in);
        int n= input.next In ();
        int a[] = new int (n);
        for (int i=0; i<n; i++) {
            a[i] = input.next Int ();
        }
        system.out.print (lcm);
    } }


6]   import java.util.Scanner;
     public class pattern {
     Scanner input = new Scanner (system.in);{
     int h=5;
```

```java
for (int i=1; i<=5; i++){
    for (int j=0; j<=n; j++) {
        System.out.print("  ");
    }
    for (int k=1; k>=i; k++) {
        System.out.print(" * ");
    }
    System.out.println();
}
```

```java
import java.util.Scanner;
public class pattern {

Scanner.input = new Scanner(System.in);
int n = input.nextLine();
for (int i=1; i<=n; i++) {

    int a=1;
    for (int s=1; s<= n-i; s++) {
        System.out.print("a ");
    }
    for (int j=1; j<=i; j++) {
        System.out.print(a+ " ");
        a = a * (i-j)/j;
    }
    System.out.println();
}
```

8]
```java
import . java . util . Scanner ;
public class intrest {
Scanner input = new Scanner (System . in);
int principat = nextInt ();
int gas = input . nextInt ();
char age = input . next () . charAt (0);
double interest = 0.0 )
if (age == 'y')
{
    interest = (prs *gas * 0.12)/(100);
    System . out . println (interest);
}
else {
    interest = (pri * gas * 0.1) /(100);
    System . out . print (interest);
}
```

9]
```java
int n = input . nextInt ();
int a1 = 0; a2 = 1, a3 ;
int a[5] = new int [50];
for (int i = 0; i < 10 ; i++ ) {
    a[i] = a1;
    System . out . print (a[i] + n v );
    a3 = a1 + a2;
    a1 = a2;
    a2 = a3;
}
```

```java
int Sum = 0
for (int i = 0; i < n * 2; i = i + 2) {
    Sum = Sum + a [i];
}
System.out.println(" /n Sum : " + Sum);
```

10]
```java
import java.util.Scanner;

public class ak {

    Scanner input = new scanner (System.in);

    int m = input.nextInt();
    int n = input.nextInt();
    int k = input.nextInt();
    for (int i = m; i <= n; i = i + k+1) {

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