

```

1 import java.util.Scanner;
2
3 public class Main {
4
5     public static void main(String[] args) {
6
7         Scanner scan = new Scanner(System.in);
8         System.out.println("Enter CIE marks out of 50:");
9         double cie = scan.nextDouble();
10
11         System.out.println("Enter SEE marks out of 100:");
12         double see = scan.nextDouble();
13
14         double percentage = cie + (see/2);
15
16         if(percentage >= 90){
17             System.out.println("Excellent: Grade S");
18         }else if(percentage < 90 && percentage >= 80){
19             System.out.println("Very Good: Grade A");
20         }else if(percentage < 80 && percentage >= 70){
21             System.out.println("Good: Grade B");
22         }else if(percentage < 70 && percentage >= 60){
23             System.out.println("Satisfactory: Grade C");
24         }else if(percentage < 60 && percentage >= 50){
25             System.out.println("Work Hard: Grade D");
26         }else if(percentage < 50 && percentage >= 40){
27             System.out.println("Just Passed: Grade E");
28         }else {
29             System.out.println("Failed!");
30         }
31     }
32
33 }

```

input

Enter CIE marks out of 50:

40

Enter SEE marks out of 100:

90

Very Good: Grade A

...Program finished with exit code 0

Press ENTER to exit console.

```

1 import java.util.Scanner;
2 public class Main
3 {
4     public static void main(String[] args)
5     {
6         int row, y, z, number = 1;
7         Scanner sc = new Scanner(System.in);
8         System.out.println("Enter the number of rows you want to print: ");
9         row = sc.nextInt();
10        System.out.println("Output: ");
11        for(y = 1; y <= row; y++)
12        {
13            for(z = 1; z <= y; z++)
14            {
15                System.out.print(number + " ");
16                number++;
17            }
18            System.out.println();
19        }
20        sc.close();
21    }
22 }

```

input

Enter the number of rows you want to print:

```

8
Output:
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31 32 33 34 35 36

```

```

1 import java.util.Scanner;
2
3 public class Main {
4
5     public static void main(String[] args)
6     {
7         Scanner sc = new Scanner(System.in);
8
9         int a, b, i, j, flag;
10
11         System.out.println("Enter lower bound of the interval: ");
12         a = sc.nextInt();
13
14         System.out.println("\nEnter upper bound of the interval: ");
15         b = sc.nextInt();
16
17         System.out.printf("\nPrime numbers between %d and %d are: \n", a, b);
18
19         for (i = a; i <= b; i++) {
20
21             if (i == 1 || i == 0)
22                 continue;
23
24             flag = 1;
25
26             for (j = 2; j <= i / 2; ++j) {
27                 if (i % j == 0) {
28                     flag = 0;
29                     break;
30                 }
31             }
32
33             if (flag == 1)
34                 System.out.println(i);
35
36         }
37     }
38 }

```

Input

Enter upper bound of the interval:

15

Prime numbers between 5 and 15 are:

5

7

11

13

...Program finished with exit code 0

Press ENTER to exit console.