

Source History

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
4   */
5   package com.mycompany.project;
6   import java.util.*;class prg1{
7   public static void main(String args[]){
8       Scanner sc = new Scanner(System.in);
9       final double Pi = 22/7;
10      System.out.println("Enter the length and acceleration due to gravity");
11      int l = sc.nextInt();
12      int g = sc.nextInt();
13      double t = 2*Pi*Math.sqrt(l/g);
14      System.out.println("The time period of the pendulum is"+t);
15  }
16 }
```

com.mycompany.project.prg1 >

Output x

Run (prg1) x Run (prg1) x

- compiler:3.13.0:compile (default-compile) @ project ---
 - Nothing to compile - all classes are up to date.
- exec:3.5.1:exec (default-cli) @ project ---
 - Enter the length and acceleration due to gravity
 - 12
 - 10
 - The time period of the pendulum is6.0

BUILD SUCCESS



```
/*
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 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
 */
package com.mycompany.project;
import java.util.*;

class prg2{
public static void main(String args[]){
Scanner sc = new Scanner(System.in);
System.out.println("Enter the basic pay");
int pay = sc.nextInt();
double da = 0.3 * pay;
double hra = 0.15 * pay;
double pf = 0.125 * pay;
double gross = pay + da + hra;
double net = gross - pf;
System.out.println("Gross Pay = "+gross);
System.out.println("Net pay = "+net);
}
}
```

com.mycompany.project.prg2 > main

Run (prg1) Run (prg2)

```
Enter the basic pay
1000
Gross Pay = 1450.0
Net pay = 1325.0
-----
BUILD SUCCESS
-----
Total time: 29.719 s
Finished at: 2026-01-24T16:16:16+05:30
-----
```



```
/*
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 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
 */
package com.mycompany.project;
import java.util.*;
class prg3{
public static void main(String args[]){
Scanner sc = new Scanner(System.in);
System.out.println("Enter the Printed Price");
int p= sc.nextInt();
double d = 0.1 * p;
double dp = p - d;
double gst = 0.06 * dp;
double amount = dp + gst;
System.out.println("The discount is "+d+"\nGST is "+gst);
System.out.println("The total amount is "+amount);
}
}
```



The discount is ?12000.0
GST is ?6480.0
The total amount is ?114480.0

BUILD SUCCESS

Total time: 13.050 s
Finished at: 2026-01-24T16:24:51+05:30

```
1 /*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit
 */
package com.mycompany.project;
import java.util.*;

class prg4{
1 public static void main(String args[]){
Scanner sc = new Scanner(System.in);
System.out.println("Enter the Cost Price.");
int
price = sc.nextInt();
double dis1 = 0.3 * price;
double price2 = price - dis1;
System.out.println("Price after 30% discount is "+price2);
double dis2 = 0.2 * price;
double price3 = price - dis2;
double dis3 = 0.1 * price3;
double price4 = price3 - dis3;
System.out.println("Price after successive discounts is "+price4);
}
}
```

The screenshot shows a Java application window with the title bar "m.mycompany.project.prg4 > main >". Below the title bar, there are two tabs: "Run (prg1) X" and "Run (prg4) X", with "Run (prg4)" currently selected. The main area displays the following output:

```
Enter the Cost Price.  
50000  
Price after 30% discount is 35000.0  
Price after successive discounts is 36000.0  
-----  
BUILD SUCCESS  
-----  
Total time: 15.012 s  
Finished at: 2026-01-24T16:36:39+05:30
```

```
/*
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 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
 */
package com.mycompany.project;
import java.util.*;
class prg5{
    public static void main(String args[]){
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the sum of money");
        double sum = sc.nextInt();
        double in1 = sum * 5* 1/100.0;
        System.out.println("Interest for the first year is \u20B9"+in1);
        sum+= in1;
        double in2 = sum * 5 * 1 / 100.0;
        System.out.println("Interest after second year is \u20B9"+in2);
        sum+= in2;
        double in3 = sum * 5 * 1 /100.0;
        sum += in3;
        System.out.println("Amount after three years is \u20B9"+sum);
    }
}
```

The screenshot shows a Java IDE interface with the following details:

- Title Bar:** com.mycompany.project.prg5 > main
- Run Tab:** Run - Run (prg5) X
- Output Window:**
 - exec:3.5.1:exec (default-cli) @ project ---
 - Enter the sum of money
 - 20000
 - Interest for the first year is ?1000.0
 - Interest after second year is ?1050.0
 - Amount after three years is ?23152.5
- Bottom Status:**
 - BUILD SUCCESS
 -
 - Total time: 21.490 s
 - Finished at: 2026-01-24T16:51:54+05:30
 -

Source History

```
/*
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 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
 */
package com.mycompany.project;
class prg6{
    public static void main(String args[]){
        int num = (2000 * 100)/(10 * 10);
        System.out.println("Number of shares currently held is "+num);
        int want = 3000 - num;
        System.out.println("No. of Shares needed to reach 3000 is "+want);
    }
}
```

com.mycompany.project.prg6 >

put - Run (prg6) ×

```
--- compiler:3.13.0:compile (default-compile) @ project ---
Recompiling the module because of changed source code.
- Compiling 7 source files with javac [debug release 25] to target\classes

--- exec:3.5.1:exec (default-cli) @ project ---
Number of shares currently held is 2000
No. of Shares needed to reach 3000 is 1000

-----
BUILD SUCCESS
-----
Total time: 1.310 s
Finished at: 2026-01-24T16:54:51+05:30
-----
```

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
 */
package com.mycompany.project;
import java.util.*;
class prg7{
public static void main(String args[]){
Scanner sc = new Scanner(System.in);
System.out.println("Enter time in seconds");
int sec = sc.nextInt();
int hour = sec/3600;
sec = sec % 3600;
int min = sec / 60;
sec = sec % 60;
System.out.println(hour+" Hours "+min+" Minutes "+sec+"Seconds");
}
}
```

com.mycompany.project.prg7 >

put - Run (prg7) ×

Compiling 8 source files with javac [debug release 25] to target\classes

--- exec:3.5.1:exec (default-cli) @ project ---

Enter time in seconds

7456

2 Hours 4 Minutes 16Seconds

BUILD SUCCESS

Total time: 17.630 s

Finished at: 2026-01-24T16:58:34+05:30

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
 */
package com.mycompany.project;
import java.util.*;
class prg8{
public static void main(String args[]){
Scanner sc = new Scanner(System.in);
System.out.println("Enter value of A");
int a= sc.nextInt();
System.out.println("Enter value of B");
int b = sc.nextInt();
a = a+b;
b = a-b ;
a = a-b;
System.out.println("A = "+a+"\nB = "+b);
}
}
```

com.mycompany.project.prg8 > ⚙ main >

Run - Run (prg8) ×

```
Enter value of A  
12  
Enter value of B  
34  
A = 34  
B = 12  
-----  
BUILD SUCCESS  
-----  
Total time: 9.182 s  
Finished at: 2026-01-24T17:02:11+05:30  
-----
```

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
 */
package com.mycompany.project;
import java.util.*;
class prg9{
public static void main(String args[]){
Scanner sc = new Scanner(System.in);
System.out.println("Enter the sum of money invested");
int sum = sc.nextInt();
double si = sum * 10 * 3 / 100.0;
double amount =sum*Math.pow(1+(10/100.0),3);
double ci = amount - sum;
double dif = ci - si;
System.out.println("Simple Interest : "+si);
System.out.println("Compound Interest : "+ci);
System.out.println("Difference between CI and SI : "+dif);
}
}
```

com.mycompany.project.prg9 >

ut - Run (prg9) ×

```
--- exec:3.5.1:exec (default-cli) @ project ---
Enter the sum of money invested
10000
Simple Interest : 3000.0
Compound Interest : 3310.000000000036
Difference between CI and SI : 310.0000000000364
```

BUILD SUCCESS

```
Total time: 10.738 s
Finished at: 2026-01-24T17:05:52+05:30
```



Scanned with OKEN Scanner

Main.java



Run

Output

```
1 import java.util.*;
2 class prg10{
3 public static void main(String args[]){
4 Scanner sc = new Scanner(System.in);
5 System.out.println("Enter the selling price of
       the calculators"); double
6 sp = sc.nextDouble();
7 double cpProfit = sp/(1 + 20/100.0);
8 double cpLoss = sp/(1 - 20/100.0);
9 double total = cpProfit + cpLoss;
10 System.out.println("The Total cost Price =
      \u20B9"+total);
11 }
12 }
```

Enter the selling price of the calculators
300

The Total cost Price = ₹625.0

==== Code Execution Successful ===



Scanned with OKEN Scanner



Main.java



Run

Output

Clear

```
1- import java.util.*;
2- class prg1{
3- public static void main(String args[]){
4  Scanner sc = new Scanner(System.in);
5  System.out.println("Enter three angle of a
     triangle"); int a =
6  sc.nextInt();
7  int b= sc.nextInt();
8  int c = sc.nextInt();
9  int total = a+b+c;
10- if(total == 180){
11- if (a < 90 && b < 90 && c < 90) {
12  System.out.println("Acute-angled Triangle");
13 }
14- else if (a == 90 || b == 90 || c == 90) {
15  System.out.println("Right-angled Triangle");
16 }
17- else {
18  System.out.println("Obtuse-angled Triangle"
                     );
19 }
20- }else{
21  System.out.println("Triangle not possible");
22 }
23 }
24 }
```

Enter three angle of a triangle
90
90
90
Triangle not possible

==== Code Execution Successful ===



JS

TS

GO



Scanned with OKEN Scanner



JS

TS

GO

R

E

Main.java



Run

Output

Clear

```
1+ import java.util.*;
2- class prg2{
3- public static void main(String args[]){
4  Scanner sc = new Scanner(System.in);
5  System.out.println("Enter the cost price");
6  double cp = sc.nextInt();
7  System.out.println("Enter the selling price");
8  double sp = sc.nextInt();
9- if(sp > cp){
10   double profit = sp - cp;
11   double profitp = profit / cp * 100.0;
12   System.out.println("Profit is \u20B9"+profit
13     +"\nProfit percent is "+profitp); }else
13- if(cp > sp){
14   double loss = cp - sp;
15   double lossp = loss / cp * 100.0;
16   System.out.println("Loss is \u20B9"+loss
17     +"\nLoss percent is "+lossp);
17- }else{
18   System.out.println("Neither profit nor
19     loss");
20 } }
```

Enter the cost price

457

Enter the selling price

560

Profit is ?103.0

Profit percent is 22.538293216630198

==== Code Execution Successful ===



Scanned with OKEN Scanner

Main.java



Run

Output

Clear

```
1- import java.util.*;
2- class prg3{
3- public static void main(String args[]){
4 Scanner sc = new Scanner(System.in);
5 System.out.println("Enter three numbers"); int
    a
6 = sc.nextInt();
7 int b = sc.nextInt();
8 int c = sc.nextInt();
9- if(a == b && b == c){
10 System.out.println("All the numbers are equal"
    );
11 }else{
12 int d = Math.max(Math.max(a,b),c);
13 System.out.println("Greatest nuber is "+d);
14 }
15 }
16 }
```

Enter three numbers

56

78

90

Greatest nuber is 90

==== Code Execution Successful ===

Main.java



Run

Clear

```
1- import java.util.*;
2- class prg4{
3- public static void main(String args[]){
4  Scanner sc = new Scanner(System.in);
5  System.out.println("Enter a number"); int
6  num = sc.nextInt();
7- if(num % 3 == 0 && num % 5 == 0){
8  System.out.println("Number is divisible by both
      3 and 5"); }else
9- if(num % 3 == 0 && num % 5 != 0 ){
10 System.out.println("Number is divisible by 3 and
      not by 5"); }else
11- if(num % 3 != 0 && num % 5 == 0 ){
12 System.out.println("Number is divisible by 5 and
      not by 3");
13- }else{
14 System.out.println("The number is neither
      divisible by 5 nor by 3");
15 }
16 }
17 }
```

Output

Enter a number

45

Number is divisible by both 3 and 5

==== Code Execution Successful ===



Scanned with OKEN Scanner



Main.java



Run

Output

Clear

```
1- import java.util.*;
2- class prg5{
3- public static void main(String args[]){
4  Scanner sc = new Scanner(System.in);
5  System.out.println("Enter a year");
6  int year= sc.nextInt();
7- if(year % 4 == 0 && year %100 != 0){
8- }else if(year % 4 == 0 && year %100 == 0){
9-     System.out.println("The year is a Century leap
10    year");
11- }else if(year % 4 != 0 && year %100 == 0){
12    System.out.println("The year is a Century year"
13    );
14- }else{
15    System.out.println("The year is neither a
16    Century year nor a Leap year.");
17 }
```

Enter a year

2026

The year is neither a Century year nor a Leap year.

==== Code Execution Successful ===



Scanned with OKEN Scanner



Main.java



Run

Output

Clear

```
1- import java.util.*;
2- class prg16{
3- public static void main(String args[]){
4- Scanner sc = new Scanner(System.in);
5- System.out.println("Enter two positive numbers");
6- int a
7- = sc.nextInt();
8- int b = sc.nextInt();
8- if(a < 0 || b < 0){
9- System.out.println("Square root of negative
numbers cannot be determined");
10- }else{
11- double sqrtA = Math.sqrt(a);
12- double sqrtB = Math.sqrt(b);
13- double c = sqrtA - Math.floor(sqrtA);
14- double d = sqrtB - Math.floor(sqrtB);
15- if(c== 0 && d ==0){
16- System.out.println("The numbers are perfect
squares");
17-
18- }else if(c == 0 && d != 0 ){
19- System.out.println(a+" is a Perfect Square"
+"\\n"+b+" is not a Perfect Square");
20- }else if(c != 0 && d == 0 ){
21- System.out.println("Both the numbers are not
perfect squares ");
22- }
23- }
24- }
25- }
```



Scanned with OKEN Scanner



Main.java



Run

Output

Clear

```
1- import java.util.*;
2- class prg17{
3- public static void main(String args[]){
4  Scanner sc = new Scanner(System.in);
5  System.out.println("Enter three numbers");
6  int a = sc.nextInt();
7  int b = sc.nextInt();
8  int c = sc.nextInt();
9  int sum = a+b+c;
10 int big,small,result;
11 big = Math.max(Math.max(a,b),c);
12 small = Math.min(Math.min(a,b),c);
13 result = sum - big - small;
14 System.out.println("The second biggest number
15     is "+result);
16 }
```

Enter three numbers

6

8

4

The second biggest number is 6

==== Code Execution Successful ===



Scanned with OKEN Scanner



Main.java



Run

Output

Clear

```
1- import java.util.*;
2- class prg18{
3- public static void main(String args[]){
4  Scanner sc = new Scanner(System.in);
5  System.out.println("Enter three numbers");
6  int a = sc.nextInt();
7  int b = sc.nextInt();
8  int c = sc.nextInt();
9  int max = Math.max(Math.max(a,b),c);
10 int min = Math.min(Math.min(a,b),c);
11 System.out.println("Greatest number is "+max);
12 System.out.println("Smallest number is "+min);
13 }
```

Enter three numbers

5

8

3

Greatest number is 8

Smallest number is 3

==== Code Execution Successful ===



Scanned with OKEN Scanner



Main.java



Run

Output

Clear

```
1+ import java.util.*;
2+ class prg19{
3+ public static void main(String args[]){
4 Scanner sc = new Scanner(System.in);
5 System.out.println("Enter the distance covered"
    );
6 double dis = sc.nextInt();
7 double fare;
8 if(dis <= 5) {
9     fare = 100;
10 }else if(dis > 5 && dis <= 15 ){
11     fare = (dis - 5) * 10;
12     fare += 100;
13 }else if(dis > 15 && dis <= 25){
14     fare = 100 + 100 + (dis - 15) * 8;
15 }else{
16     fare = 100 + 100 + 80 + (dis - 25) * 5;
17 }
18 System.out.println("Taxi no. : TN 66 AD 7921");
19 System.out.println("Distance covered : "+dis);
20 System.out.println("Amount ₹: "+fare); }
```

Enter the distance covered
480
Taxi no. : TN 66 AD 7921
Distance covered : 480.0
Amount ?: 2555.0

==== Code Execution Successful ===



Scanned with OKEN Scanner



Main.java



Run

Output

Clear

```
1- import java.util.*;
2- class prg20{
3- public static void main(String args[]){
4  Scanner sc = new Scanner(System.in);
5  System.out.print("Enter total cost: ");
6  double cost = sc.nextDouble();
7  String gift;
8  double amt;
9- if (cost <= 2000) {
10 amt = cost - (cost * 5 / 100);
11 gift = "Calculator";
12 }else if (cost > 2000 && cost <= 5000 ) {
13 amt = cost - (cost * 10 / 100);
14 gift = "School Bag";
15 }else if (cost > 5000 && cost <= 10000) {
16 amt = cost - (cost * 15 / 100);
17 gift = "Wall Clock";
18 }else {
19 amt = cost - (cost * 20 / 100);
20 gift = "Wrist Watch";
21 }
22 System.out.println("Amount to be paid: " + amt
   );
23 System.out.println("Gift: " + gift);
24 }
25 }
```

Enter total cost: 7890
Amount to be paid: 6706.5
Gift: Wall Clock

==== Code Execution Successful ===



JS

TS

GO



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Main.j...

Output



```
1 import java.util.*;
2 class prg32{
3 public static void main(String args[])
4 ){
5 Scanner sc = new Scanner(System.in);
6 System.out.println("Enter a word.");
7 String
8 s1 = sc.nextLine();
9 for(int i = 0; i < s1.length(); i++){
10 char ch = s1.charAt(i);
11 int ascii = ch;
12 System.out.println(ch + " - " + ascii);
13 }
```

Run



11:59 06:08

73



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Main.j...

Output



Enter a word.

apple|



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Main.j...

Output



```
1 import java.util.*;
2 class prg27{
3 public static void main(String args[])
4 {
5 Scanner sc = new Scanner(System.in);
6 System.out.println("Enter a word.");
7 String
8 s = sc.next();
9 s = s.toUpperCase();
10 int l = s.length();
11 char ch;
12 System.out.println("Word in
13         alphabetical order."); for(int
14 i = 65; i <= 90; i++){
15 for(int j = 0; j < l; j++){
16     ch = s.charAt(j);
17     if(ch == (char)i){
18         System.out.print(ch);
19     }
20 }
```

Run



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Main.j...

Output



Enter a word.

program

Word in alphabetical order.

AGMOPRR

==== Code Execution Successful ===



...

1

2

3

4

5

6

7

8

9

0

q

w

e

r

t

y

u

i

o

p

a

s

d

f

g

h

j

k

l



z

x

c

v

b

n

m



!#1

,

English(India)

.



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Main.j...

Output



```
1 import java.util.*;
2 class prg35{
3 public static void main(String agrs[])
4 ){
5 Scanner sc = new Scanner(System.in);
6 System.out.println("Enter a sentence."
7 );
8 String s = sc.nextLine();
9 s = s.toUpperCase();
10 String s1 = "";
11 for(int i = 0; i < s.length(); i++){
12 char ch = s.charAt(i);
13 int a = (int)ch + 1;
14 s1 = s1 +(char)a; }
15 System.out.println(s);
16 System.out.println("Encoded sentence :
17 ");
18 }
```

Run





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Main.j...

Output



Enter a sentence.

I eat apple

I EAT APPLE

Encoded sentence :

==== Code Execution Successful ===



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Main.j...

Output



```
1 public static void main(String args[])
2 {
3     Scanner sc = new Scanner(System.in);
4     System.out.println("Enter a word.");
5     String
6     s = sc.nextLine();
7     s = s.toUpperCase();
8     String s1 = "";
9     String s2 = ""; int
10    t = 0;
11    for(int i = 0; i < s.length();i++){
12        if("AEIOU".indexOf(s.charAt(i)) != -1
13            ){
14            t = i;
15            break;
16        }
17        s1 = s1 + s.substring(t);
18        s2 = s2 + s.substring(0,t) + "AY";
19        String s3 = s1+s2;
20        System.out.println("Piglatin : "+s3);
21    }
22 }
```

Run



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Main.j...

Output



Enter a word.

tea

Piglatin : EATAY

==== Code Execution Successful ===



...

1

2

3

4

5

6

7

8

9

0

q

w

e

r

t

y

u

i

o

p

a

s

d

f

g

h

j

k

l



z

x

c

v

b

n

m



!#1

,

English(India)

.



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Main.j...

Output



```
1 import java.util.*;
2 class prg33{
3 public static void main(String args[])
4 ){
5 Scanner sc = new Scanner(System.in);
6 System.out.println("Enter a word");
7 String
8 s = sc.nextLine();
9 s = s.toLowerCase();
10 String s1= "";
11 for(int i = 97; i <=122; i++){
12 for(int j = 0; j < s.length(); j++){
13 char ch = s.charAt(j);
14 if(ch == (char)i){
15 s1 = ch + s1;;
16 }
17 }
18 }
```

Run



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Main.j...

Output

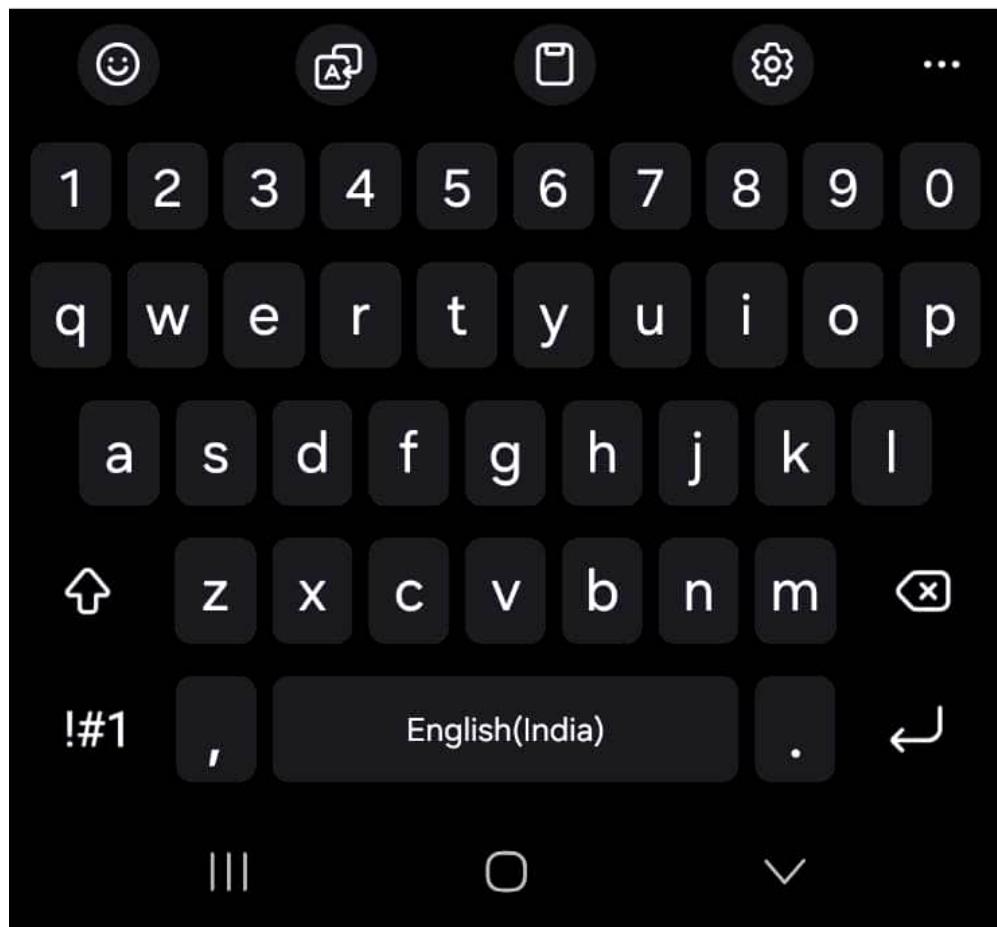


Enter a word

computer

Word in reversed order :

==== Code Execution Successful ===



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Main.j...

Output



```
1 import java.util.*;
2 class prg31{
3 public static void main(String args[])
4 {
5 Scanner sc = new Scanner(System.in);
6 System.out.println("Enter a word.");
7 String
8 s = sc.next();
9 String s1 = s.toLowerCase();
10 for(int i = 0; i < s1.length(); i++){
11 char ch = s1.charAt(i);
12 int a = ch +1;
13 char ch2 = (char)a;
14 if("aeiou".indexOf(ch) != -1){
15 s1 = s1.replace(ch,ch2); }
16 }
17 }
```

Run



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Main.j...

Output



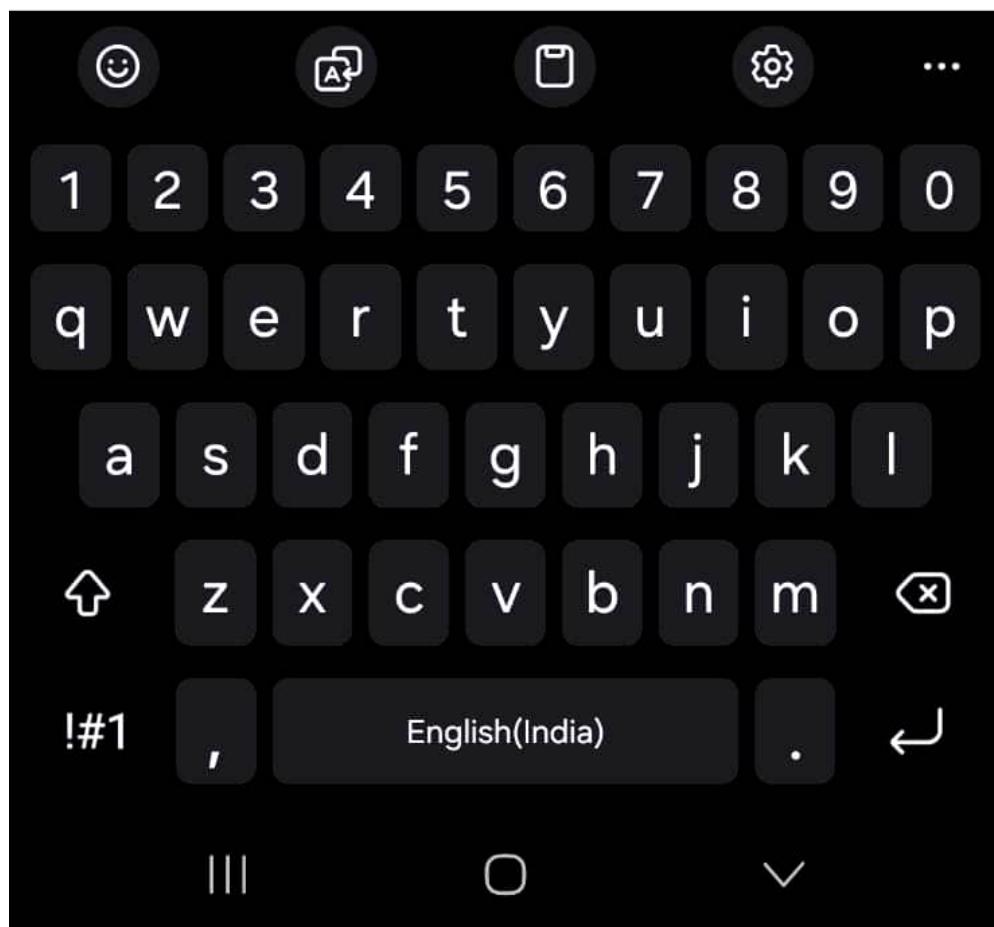
Enter a word.

hello

New word :

hfllp

==== Code Execution Successful ===





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Main.j...

Output



```
1 import java.util.*;
2 class prg30{
3 public static void main(String args[])
4 {
5 Scanner sc = new Scanner(System.in);
6 System.out.println("Enter a sentence."
7 );
8 String s = sc.nextLine();
9 int c = 0, sm = 0;
10 for(int i = 0; i < s.length(); i++){
11 char ch = s.charAt(i);
12 if("AEIOU".indexOf(ch) != -1){
13 c++;
14 }else if("aeiou".indexOf(ch) != -1){
15 sm++;
16 }
17 System.out.println("Number of capital
18 vowels in the sentence = "+c);
19 System.out.println("Number of small
20 vowels in the sentence = "+sm); }
```

Run



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Main.j...

Output



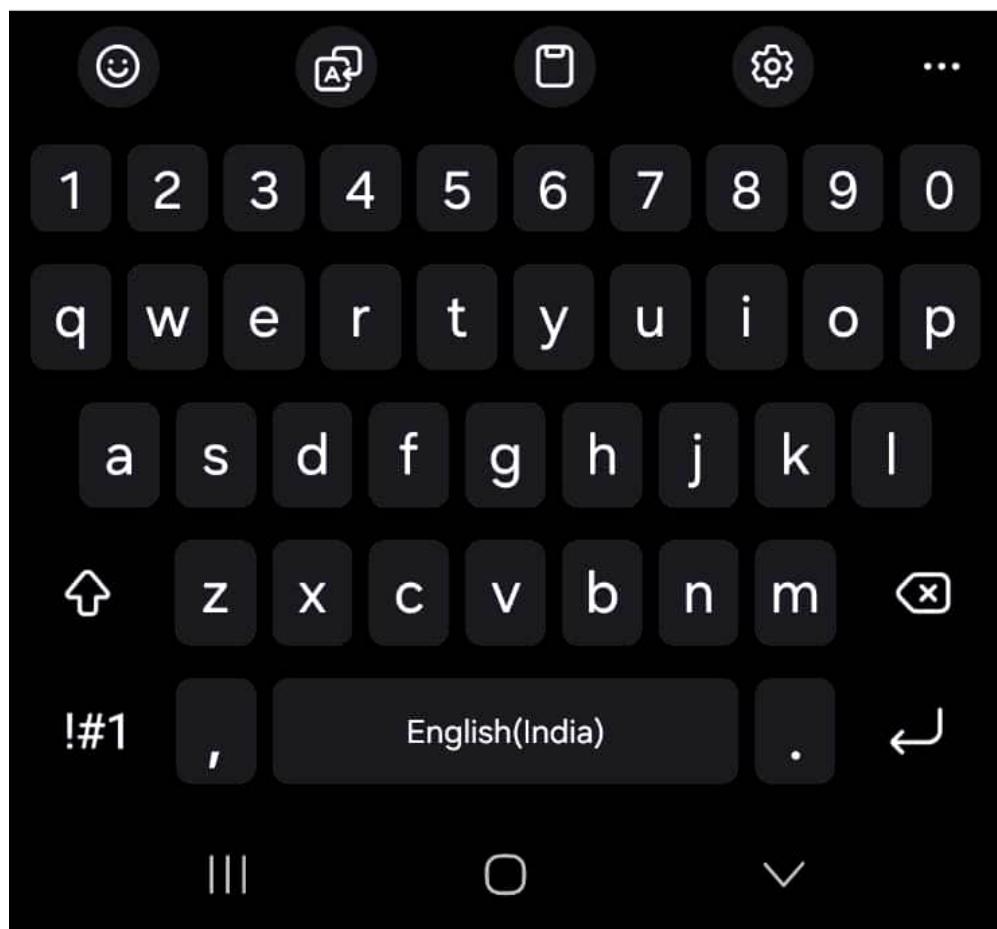
Enter a sentence.

it is a book

Number of capital vowels in the sentence = 0

Number of small vowels in the sentence = 5

==== Code Execution Successful ===



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Main.j...

Output



```
1 import java.util.*;
2 class prg29{
3 public static void main(String args[])
4 {
5 Scanner sc = new Scanner(System.in);
6 System.out.println("Enter a word.");
7 String
8 s = sc.next();
9 char ch ;
10 String s1 = "";
11 int l =s.length();
12 for(int i =0; i < l; i++){
13 ch = s.charAt(i);
14 s1 = ch + s1;
15 }
16 if(s.equals(s1)){
17 System.out.println("The word is a
18 palindrome.");
19 }else{
20 System.out.println("The word is not a
21 palindrome."); String
22 s2 = s + s1;
23 System.out.println("Word changed to
24 " + s2);
25 }
```

Run





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Main.j...

Output



Enter a word.

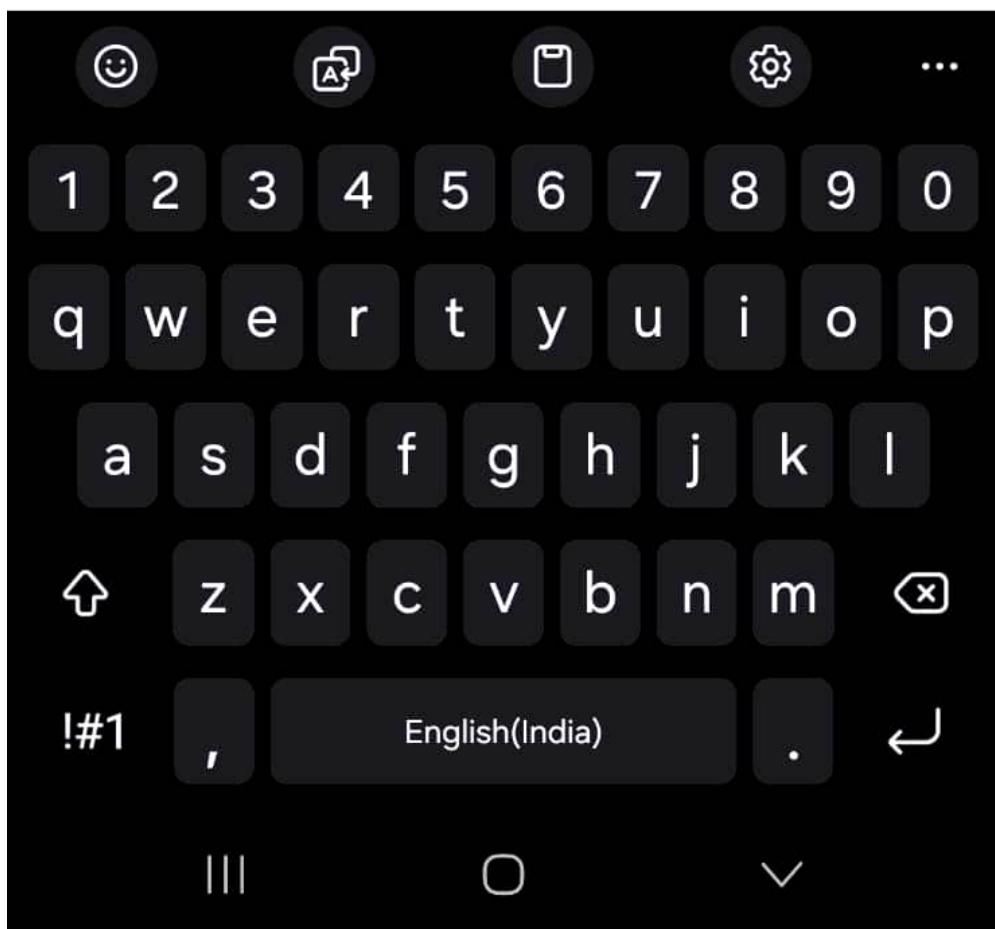
malyalam

The word is not a palindrome.

Word changed to palindrome is :

malyalammalaylam

==== Code Execution Successful ===



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Main.j...

Output



```
1 import java.util.*;
2 class prg28{
3 public static void main(String args[])
4 {
5 Scanner sc = new Scanner(System.in);
6 System.out.println("Enter a sentence"
7 );
8 String s = sc.nextLine();
9 int u = 0,l = 0,b = 0,w = 1,o = 0; int
10 len = s.length();
11 for(int i = 0; i < len; i++){
12 char ch = s.charAt(i);
13 if(Character.isUpperCase(ch)){
14 u = u+1;
15 }else if(Character.isLowerCase(ch)){
16 l = l+1;
17 }else if(Character.isWhitespace(ch)){
18 b = b+1;
19 w = w+1;
20 o = o+1;
21 }
22 System.out.println("Number of " + u + " uppercase letters, " + l + " lowercase letters, " + b + " whitespace characters, " + o + " odd characters and " + w + " words");
23 }
24 }
```

Run





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Main.j...

Output



Enter a sentence

welcome to java

Number of Uppercase characters : 0

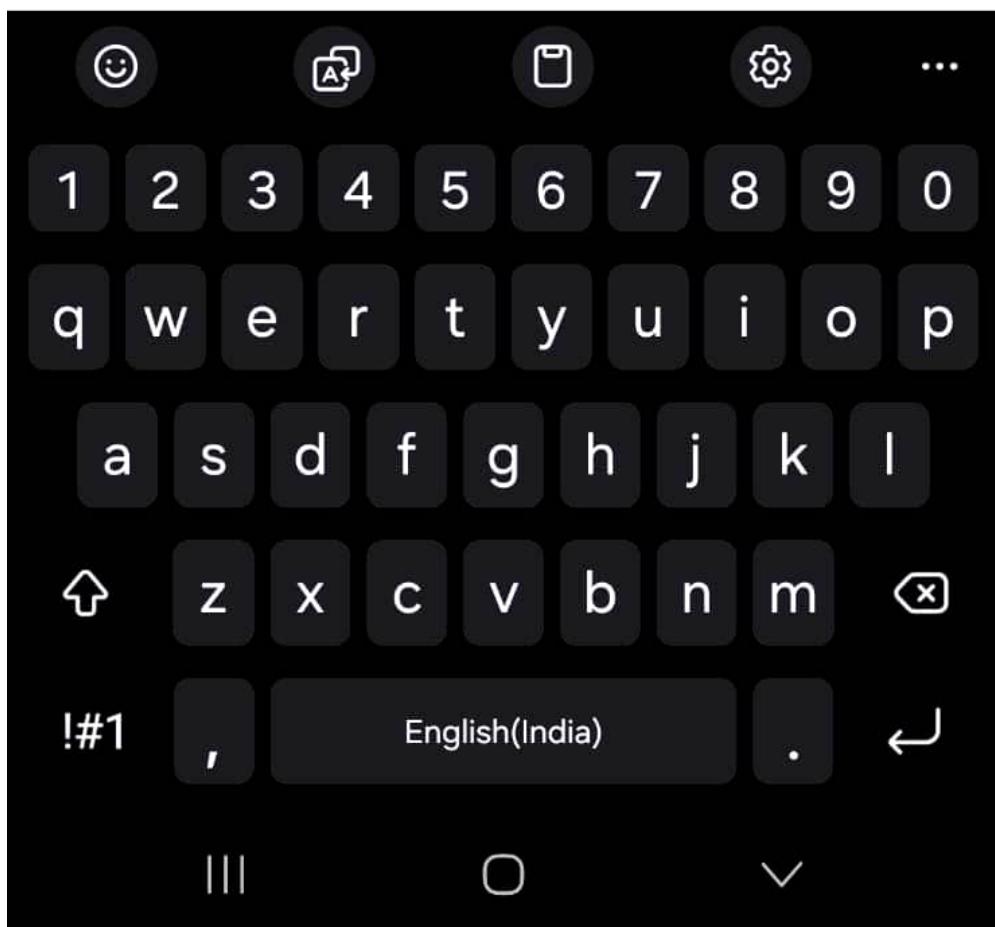
Number of Lowercase characters : 13

Number of Blankspace characters : 2

Number of words in sentence : 3

Number of other characters : 2

==== Code Execution Successful ===|



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Main.j...

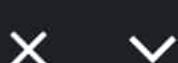
Output



```
1 import java.util.*;
2 class prg26{
3 public static void main(String args[])
4 {
5 Scanner sc = new Scanner(System.in);
6 System.out.println("Enter a word.");
7 String
8 s = sc.next();
9 int l = s.length(); int
10 c = 0;
11 for(int i = 0; i <l; i++){
12 char ch = s.charAt(i);
13 if("AEIOUaeiou".indexOf(ch) != -1){
14 System.out.print(ch);
15 c = c+1;
16 }
17 System.out.println();
18 System.out.println("The frequency of
19 vowels = "+ c);}
```

Run





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Main.j...

Output



Enter a word.

tamil

t - 116

a - 97

m - 109

i - 105

l - 108

==== Code Execution Successful ===



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IncomeT...

Output



```
1 // Online Java Compiler
2 // Use this editor to write, compile
   and run your Java code online
3
4 import java.util.Scanner;
5
6 class IncomeTax {
7     public static void main(String[]
      args) {
8
9         String name;
10        int age;
11        double income, tax = 0;
12
13        Scanner sc = new Scanner(System
           .in);
14
15        System.out.print("Enter Name: "
           );
16        name = sc.nextLine();
17
18        System.out.print("Enter Age: "
           );
19        age = sc.nextInt();
```

Run



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IncomeT...

Output



Enter Name: rima

Enter Age: 20

Enter Taxable Income: ?4000

----- INCOME TAX DETAILS -----

Name of Tax Payer : rima

Age : 20

Taxable Income : ?4000.0

Income Tax Payable: ?0.0

==== Code Execution Successful ===



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Banking...

Output



```
1 // Online Java Compiler
2 // Use this editor to write, compile
   and run your Java code online
3
4 import java.util.Scanner;
5
6 public class BankingSystem {
7     public static void main(String[]
       args) {
8         Scanner sc = new Scanner(System
           .in);
9         double balance = 5000;
10        System.out.println("Welcome to
           Java Bank");
11        System.out.println("Your
           current balance: " +
           balance);
12        System.out.print("Enter amount
           to deposit: ");
13        double deposit = sc.nextDouble
           ();
14        balance += deposit;
15        System.out.println("Balance
           after deposit: " + balance
```

Run



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TermDe...

Output



Enter the deposited amount: ?333

Enter number of days: 2

----- TERM DEPOSIT DETAILS -----

Principal Amount : ?333.0

Number of Days : 2

Rate of Interest : 5.5%

Maturity Amount : ?333.1003561643836

===== Code Execution Successful =====



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LIC.java

Output



```
1 // Online Java Compiler
2 // Use this editor to write, compile
   and run your Java code online
3
4 import java.util.Scanner;
5
6 class LIC {
7     public static void main(String[]
      args) {
8
9         Scanner sc = new Scanner(System
      .in);
10        System.out.print("Name: ");
11        String name = sc.nextLine();
12        System.out.print("Sum Assured:
      ");
13        double sa = sc.nextDouble();
14        System.out.print("Premium: ");
15        double p = sc.nextDouble();
16
17        double d = 0, c = 0;
18
19        if (sa <= 100000) { d = 5; c =
      2; }
```

Run



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LIC.java

Output



Name: riya

Sum Assured: 45

Premium: 30

Name : riya

Discount : ?1.5

Commission : ?0.9

== Code Execution Successful ==



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Main.j...

Output



```
1 // Online Java Compiler
2 // Use this editor to write, compile
   and run your Java code online
3
4 import java.util.*;
5 class Employee{
6 public static void main(String args[]){
7 Scanner sc = new Scanner(System.in);
8 System.out.println("Enter the basic
   pay");
9 int pay = sc.nextInt();
10 double da = 0.3 * pay;
11 double hra = 0.15 * pay;
12 double pf = 0.125 * pay;
13 double gross = pay + da + hra;
14 double net = gross - pf;
15 System.out.println("Gross Pay = "+gross
   );
16 System.out.println("Net pay = "+net);
17 }
18 }
```

Run



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Salary.j...

Output



Name: tiya

Basic Salary: 200

Name Basic DA SA Gross

tiya 200.0 20.0 10.0 230.0

==== Code Execution Successful ===



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Tempera...

Output



```
1 // Online Java Compiler
2 // Use this editor to write, compile
   and run your Java code online
3
4 import java.util.Scanner;
5
6 class Temperature {
7     public static void main(String[]
      args) {
8
9         Scanner sc = new Scanner(System
      .in);
10        System.out.println("1.
      Fahrenheit to Celsius");
11        System.out.println("2. Celsius
      to Fahrenheit");
12        System.out.print("Enter your
      choice: ");
13        int choice = sc.nextInt();
14
15        double temp, result;
16
17        switch (choice) {
18            case 1:
```

Run



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Tempera...

Output



1. Fahrenheit to Celsius

2. Celsius to Fahrenheit

Enter your choice: 30

Invalid choice

==== Code Execution Successful ===



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Volume....

Output



```
1 // Online Java Compiler
2 // Use this editor to write, compile
   and run your Java code online
3
4 import java.util.Scanner;
5
6 class Volume {
7     public static void main(String[]
      args) {
8
9         Scanner sc = new Scanner(System
      .in);
10        System.out.println("1. Cuboid"
      );
11        System.out.println("2.
      Cylinder");
12        System.out.println("3. Cone");
13        System.out.print("Enter your
      choice: ");
14        int ch = sc.nextInt();
15
16        double v, l, b, h, r;
17
18    switch (ch) {
```

Run



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Online Java Compiler

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Volume....

Output



1. Cuboid

2. Cylinder

3. Cone

Enter your choice: 3

Enter radius and height: 20

13

Volume of Cone = 5445.427266222308

==== Code Execution Successful ===



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Main.j...

Output



```
2 // Use this editor to write, compile  
    and run your Java code online  
3  
4 import java.util.*;  
5 class prg9{  
6 public static void main(String args[]){  
7 Scanner sc = new Scanner(System.in);  
8 System.out.println("Enter the sum of  
    money invested"); int  
9 sum = sc.nextInt();  
10 double si = sum * 10 * 3 / 100.0;  
11 double amount =sum*Math.pow(1+(10/100.0  
    ),3);  
12 double ci = amount - sum;  
13 double dif = ci - si;  
14 System.out.println("Simple Interest :  
    \u20B9"+si);  
15 System.out.println("Compound Interest :  
    \u20B9"+ci);  
16 System.out.println("Differnce between  
    CI and SI : \u20B9"+dif);  
17 }  
18 Chrome pasted from your clipboard  
19 |
```

Run



Scanned with OKEN Scanner



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Main.j...

Output



Enter the sum of money invested

20000

Simple Interest : ?6000.0

Compound Interest : ?6620.000000000007

Differnce between CI and SI : ?620

.000000000073

== Code Execution Successful ==



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PerfectS...

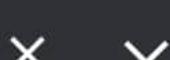
Output



```
1 // Online Java Compiler
2 // Use this editor to write, compile
   and run your Java code online
3
4 import java.util.Scanner;
5
6 class PerfectSquareCheck {
7     public static void main(String[]
        args) {
8
9         int a, b;
10        Scanner sc = new Scanner(System
           .in);
11
12        System.out.print("Enter first
           number: ");
13        a = sc.nextInt();
14
15        System.out.print("Enter second
           number: ");
16        b = sc.nextInt();
17
18        if (a < 0 || b < 0) {
19            System.out.println("Square
```

Run





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PerfectS...

Output



Enter first number: 5

Enter second number: 3

5 is not a perfect square number

3 is not a perfect square number

==== Code Execution Successful ===



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Main.j...

Output



```
34 }  
35 }else if(cp >50000 && cp <=100000){  
36 dis = cp * 10/100.0;  
37 }else if(cp > 100000){  
38 dis = cp * 15/100.0; }  
39 disPrice = cp - dis;  
40 System.out.println("Customer name : "  
+name);  
41 System.out.println("Item purchased :  
Desktop");  
42 System.out.println("Amount of purchase  
: \u20B9"+cp);  
43 System.out.println("Discount : \u20B9"  
+dis);  
44 System.out.println("Net Price :  
\u20B9"+disPrice);  
45 break;  
46 default :  
47 System.out.println("Invaild Input  
.\\nTry again.");  
48 }  
49 }  
50 }
```

Run



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Main.j...

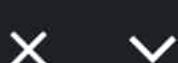
Output



```
18 dis = cp * 5/100.0;
19 }else if(cp >50000 && cp <=100000){
20 dis = cp * 7.5/100.0;
21 }else if(cp > 100000){
22 dis = cp * 10/100.0; }
23 disPrice = cp - dis;
24 System.out.println("Customer name : "
+name);
25 System.out.println("Item purchased :
Laptop");
26 System.out.println("Amount of purchase
: \u20B9"+cp);
27 System.out.println("Discount : \u20B9"
+dis);
28 System.out.println("Net Price :
\u20B9"+disPrice);
29 break;
30 case 'D' :
31 if(cp <=25000){
32 dis = cp * 5/100.0;
33 }else if(cp >25000 && cp <=50000){
34 dis = cp * 7.5/100.0;
--> > > > > > > > > > > > >
```

Run





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Main.j...

Output



Enter your name.

swetha

Enter amount of purchase.

1000

Enter 'D' for desktop

Enter 'L' for Laptop

L

Customer name : swetha

Item purchased : Laptop

Amount of purchase : ?1000.0

Discount : ?0.0

Net Price : ?1000.0

==== Code Execution Successful ===





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Main.j...

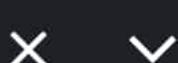
Output



```
1 import java.util.*;
2 class prg2{
3 public static void main(String args[])
4 {
5 Scanner sc = new Scanner(System.in);
6 System.out.println("Enter the base of
7 the triangle.");
8 double b = sc.nextDouble();
9 System.out.println("Enter the
10 perpendicular of the triangle.");
11 double
12 p = sc.nextDouble();
13 double h = Math.sqrt(Math.pow(b,2
14 )+Math.pow(p,2));
15 System.out.println("Hypotenuse of the
16 triangle is "+h); }
17 }
```

Run





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Main.j...

Output



Enter the base of the triangle.

6

Enter the perpendicular of the triangle.

5

Hypotenuse of the triangle is 7

.810249675906654

==== Code Execution Successful ===





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Main.java



Run

Output

```
1+ import java.util.*;
2+ class prg37{
3- public static void main(String args[]) {
4  Scanner sc = new Scanner(System.in);
5  System.out.println("Enter a word or sentence:")
       ); String
6  s = sc.nextLine();
7  int l = s.length();
8  s = s.toUpperCase();
9  String s1 = "";
10- for (int i = 0; i < l; i++) {
11  char ch = s.charAt(i);
12- if ("AEIOU".indexOf(ch) != - 1 ){
13  continue;
14  }
15  s1 = s1 + ch;
16  }
17  System.out.println("String with vowels removed"
       );
18  System.out.println("S1");
19  }
```

Enter a word or sentence:
computer

String with vowels removed
S1

==== Code Execution Successful ===



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Online Java

Compiler



Programiz
PRO

Main.java



Run

Output

Clear

```
1- import java.util.*;
2- class prg38{
3- public static void main(String args[]){
4  Scanner sc = new Scanner(System.in);
5  System.out.println("Enter a name of 3 words:");
6  String
7  s = sc.nextLine();
8  int len = s.length();
9  System.out.print(s.charAt(0) + " ");
for
9- (int i = 1; i < len; i++) {
10 char ch = s.charAt(i); if
11 (ch == ' ')
12 char ch2 = s.charAt(i + 1);
13 System.out.print(ch2 + " ");
}
15 }
16 }
```

Enter a name of 3 words:

Mahendra Singh dhoni

M S d

== Code Execution Successful ==



Scanned with OKEN Scanner



Main.java



Run

Output

```
1 - import java.util.*;
2 - class prg39{
3 - public static void main(String args[]) {
4 - Scanner sc = new Scanner(System.in);
5 - System.out.println("Enter a name of 3 words:");
       String
6 - name = sc.nextLine();
7 - int ls = name.lastIndexOf(' ');
8 - String s= name.substring(ls + 1);
9 - String i = name.substring(0, ls);
10 - System.out.println(s+ " " + i);
11 - }
12 - }
13 -
```

Enter a name of 3 words:

Mahendra Singh dhoni
dhoni Mahendra Singh

==== Code Execution Successful ===



Main.java



Run

Output

Clear

```
1- import java.util.*;
2- class prg36{
3- public static void main(String args[]) {
4-     Scanner
5-     sc = new Scanner(System.in);
6-     System.out.println("Enter a sentence:"); String === Code Execution Successful ===
7-     s = sc.nextLine();
8-     int wCount = 0, lCount = 0; int l
9-     = s.length();
10-    for (int i = 0; i < l; i++) {
11-        char ch = s.charAt(i);
12-        if (ch == ' ')
13-            wCount++;
14-        else
15-            lCount++;
16-    }
17-    wCount++;
18-    System.out.println("No. of words = " + wCount);
19-    System.out.println("No. of letters = " + lCount
); }
```



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Online Java
Compiler



Main.java



Run

Output

```
1+ import java.util.Scanner;
2  public class prg96
3  {
4+ public static void main(String args[]) {
5  Scanner in = new Scanner(System.in);
6  System.out.print("Enter a word: ");
7  String word = in.nextLine();
8  int len = word.length();
9+ for (int i = len - 1; i >= 0; i--) {
10+ for (int j = 0; j <= i; j++) {
11  char ch = word.charAt(j);
12  System.out.print(ch); }
13  System.out.println(); }
14  }
15  }
16 }
```

Enter a word: blue

blue

blu

bl

b

==== Code Execution Successful ===



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Main.java



Run

Output

Clear

```
1 import java.util.Scanner;
2 public class prg93
3 {
4     public static void main(String args[]) {
5         Scanner in = new Scanner(System.in);
6         System.out.println("Enter a sentence:");
7         String str = in.nextLine();
8         str = " " + str;
9         String word = "";
10        int len = str.length();
11        for (int i = len - 1; i >= 0; i--) {
12            char ch = str.charAt(i);
13            if (ch == ' ') {
14                System.out.print(word + " ");
15                word = "";
16            }
17            else {
18                word = ch + word;
19            }
20        }
21    }
22 }
```

Enter a sentence:
The sky is blue
blue is sky The
==== Code Execution Successful ===

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Main.java



Run

Output

```
1 import java.util.Scanner;
2 public class prg97
3 {
4 public static void main(String args[]) {
5 Scanner in = new Scanner(System.in);
6 System.out.print("Enter a word: ");
7 String word = in.nextLine();
8 int len = word.length();
9 for (int i = len - 1; i >= 0; i--) {
10 for (int j = len - 1; j >= i; j--) {
11 char ch = word.charAt(i);
12 System.out.print(ch);
13 }
14 System.out.println();
15 }
16 }
17 }
```

Enter a word: apple
e
11
ppp
pppp
aaaaa

==== Code Execution Successful ===



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Programiz

Main.java



Run

Output

```
1 public class prg99
2 {
3     public static void main(String args[]) {
4         String word = "ABCDE";
5         int len = word.length();
6         for (int i = 0; i < len; i++) {
7             for (int j = 0; j < len - i; j++) {
8                 System.out.print(word.charAt(j));
9             }
10            for (int k = 0; k < i; k++) {
11                System.out.print(word.charAt(k));
12            }
13            System.out.println();
14        }
15    }
16 }
```

ABCDE
ABCDA
ABCAB
ABABC
AABCD
==== Code Execution Successful ===



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Programiz

Main.java



Run

Output

```
1- import java.util.Scanner;
2  public class KboatSDANames
3  {
4- public static void main(String args[]) {
5  Scanner in = new Scanner(System.in);
6  String names[] = new String[10];
7  System.out.println("Enter 10 names");
8- for (int i = 0; i < names.length; i++) {
9  names[i] = in.nextLine();
10 }
11 System.out.print("Enter a letter: ");
12 char ch = in.next().charAt(0);
13 ch = Character.toUpperCase(ch);
14- for (int i = 0; i < names.length; i++) {
15- if (Character.toUpperCase(names[i].charAt(0))
16 == ch) {
17
18 }
19 }
20 }
```

```
Enter 10 names
anu
abi
bavya
Sunil
Ajay
pooja
praveena
kavya
sakthi
swetha
Enter a letter: 8
==== Code Execution Successful ===
```



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Main.java



Run

Output

```
1- import java.util.Scanner;
2  public class prg98
3  {
4- public static void main(String args[]) {
5  Scanner in = new Scanner(System.in);
6  System.out.print("Enter a word: ");
7  String word = in.nextLine();
8  int len = word.length();
9- for (int i = 0; i < len; i++) {
10- for (int j = i; j < len; j++) {
11  char ch = word.charAt(j);
12  System.out.print(ch); }
13  System.out.println();
14  }
15  }
16 }
```

Enter a word: banana
banana
anana
nana
ana
na
a

==== Code Execution Successful ===



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Main.java



Run

Output

Clear

```
1- import java.util.*;
2- class prg11{
3- public static void main(String args[]){
4  Scanner sc = new Scanner(System.in);
5  System.out.println("Enter a three digit number
      .");
6  num = sc.nextInt();
7  int d = num;
8  int n = 0,m = 0,o = 0;
9  while(d > 0){
10   n = d % 10;
11   d = d/10;
12   m = d % 10;
13   d = d/10;
14   o = d % 10;
15   d = 0;
16 }
17 System.out.println(o+"^1 = "+Math.pow(o,1));
18 System.out.println(m+"^2 = "+Math.pow(m,2));
19 System.out.println(n+"^3 = "+Math.pow(n,3)); }
20 }
```

Enter a three digit number.

2031

0^1 = 0.0

3^2 = 9.0

1^3 = 1.0

==== Code Execution Successful ===

Main.java

```
1- import java.util.*;
2- class prg10{
3- public static void main(String args[]){
4 Scanner sc = new Scanner(System.in);
5 System.out.println("Enter a number."); int
6 num = sc.nextInt();
7 int d = num;
8 while(d > 0){
9 int m = d%10;
10 int fac = 1;
11 for(int i = m;i>0;i--){
12 fac *= i;
13 }
14 System.out.println("Factorial of "+m+" = "+fac);
15 d =
16 }
17 }
18 }
```

Run

Output

Clear

Enter a number.

10

Factorial of 0 = 1

Factorial of 1 = 1

==== Code Execution Successful ===



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```
1- import java.util.*;
2- class prg12{
3- public static void main(String args[]){
4  Scanner sc = new Scanner(System.in);
5  System.out.println("Enter a number."); int
6  num = sc.nextInt();
7  int fac = 0;
8- for(int i = 2;i<num;i++){
9- if(num % i == 0 && num % Math.pow(i,2) == 0){
10 fac = fac+2;
11 }else if(num % i ==0){
12 fac = fac +1;
13 }
14 }
15- if(fac >= 2){
16 System.out.println(num+" is a composite number
      .");
17 }else {
18 System.out.println(num+" is not a composite
      number.");
19 }
20 }
21 }
22 |
```

Enter a number.
11
11 is not a composite number.
*** Code Execution Successful ***

The screenshot shows a Java development environment with the following details:

- File:** Main.java
- Run Button:** The "Run" button is highlighted in blue.
- Output:** The output window displays the following text:

```
Enter value of 'm' and 'n'.(where m<n, m>0, n>0).
45
78
Factorial of 46 = 0
Factorial of 47 = 0
Factorial of 48 = 0
Factorial of 49 = 0
Factorial of 50 = 0
Factorial of 51 = 0
Factorial of 52 = 0
Factorial of 53 = 0
Factorial of 54 = 0
Factorial of 55 = 0
Factorial of 56 = 0
Factorial of 57 = 0
Factorial of 58 = 0
Factorial of 59 = 0
Factorial of 60 = 0
Factorial of 61 = 0
Factorial of 62 = 0
Factorial of 63 = 0
Factorial of 64 = 0
Factorial of 65 = 0
Factorial of 66 = 0
Factorial of 67 = 0
Factorial of 68 = 0
Factorial of 69 = 0
Factorial of 70 = 0
Factorial of 71 = 0
Factorial of 72 = 0
Factorial of 73 = 0
Factorial of 74 = 0
Factorial of 75 = 0
Factorial of 76 = 0
Factorial of 77 = 0

==== Code Execution Successful ===
```
- Toolbars and Icons:** On the left, there is a vertical toolbar with icons for various languages and tools: Java (highlighted), C/C++, C#, JS, TS, Go, Python, PHP, and Swift.
- Run Button:** A large blue "Run" button is located at the top right of the editor area.
- Clear Button:** A "Clear" button is located in the top right corner of the output window.



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Main.j...

Output



```
1 // Online Java Compiler
2 // Use this editor to write, compile
   and run your Java code online
3 import java.util.*;
4 class Main {
5     public static void main(String[]
        args) {
6         Scanner sc = new Scanner
           (System.in);
7         System.out.println("Enter a three
           digit number."); int
8         num = sc.nextInt();
9         int d = num;
10        int n = 0,m = 0,o = 0;
11        while(d > 0){
12            n = d % 10;
13            d = d/10;
14            m = d % 10;
15            d = d/10;
16            o = d % 10;
17            d = 0;
18        }
19        System.out.println(n+m+o);
20    }
}
```

Run



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Main.j...

Output



```
        (System.in);
7 System.out.println("Enter a three
                     digit number."); int
8 num = sc.nextInt();
9 int d = num;
10 int n = 0,m = 0,o = 0;
11 while(d > 0){
12     n = d % 10;
13     d = d/10;
14     m = d % 10;
15     d = d/10;
16     o = d % 10;
17     d = 0;
18 }
19 System.out.println(o+"^1 = "+Math.pow
                     (o,1));
20 System.out.println(m+"^2 = "+Math.pow
                     (m,2));
21 System.out.println(n+"^3 = "+Math.pow
                     (n,3));
22 }
23 }
```

Run





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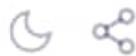
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Main.j...

Output



Enter a three digit number.

456

4^1 = 4.0

5^2 = 25.0

6^3 = 216.0

==== Code Execution Successful ===





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Main.j...

Output



```
        args) {
6          Scanner sc = new Scanner
              (System.in);
7          System.out.println("Enter two
                  numbers m and n.(m
                  >0)(n>0)"); int m =
8          sc.nextInt();
9          int n = sc.nextInt();
10         if(m<n && m>0 && n>0){
11             for(int i = m+1; i<n;i++){
12                 System.out.println("Number : "+i);
13                 double root = Math.sqrt(i);
14                 if(root == Math.floor(root) ){
15                     System.out.println(i+" is a Perfect
                          Square");
16                 }
17             }
18         }else{
19             System.out.println("Invalid input
                  \nTry again");
20         }
21     }
22 }
```

Run





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Main.j...

Output



```
1 // Online Java Compiler
2 // Use this editor to write, compile
   and run your Java code online
3 import java.util.*;
4 class Main {
5     public static void main(String[]
        args) {
6         Scanner sc = new Scanner
           (System.in);
7         System.out.println("Enter two
           numbers m and n.(m < n)(m
           >0)(n>0)"); int m =
8         sc.nextInt();
9         int n = sc.nextInt();
10        if(m<n && m>0 && n>0){
11            for(int i = m+1; i<n;i++){
12                System.out.println("Number : "+i);
13                double root = Math.sqrt(i);
14                if(root == Math.floor(root) ){
15                    System.out.println(i+" is a Perfect
                       Square");
16                }
17            }
}
```

Run





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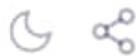
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Main.j...

Output



Enter two numbers m and n.(m < n)(m>0)(n>0)

3

9

Number : 4

4 is a Perfect Square

Number : 5

Number : 6

Number : 7

Number : 8

==== Code Execution Successful ===





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Main.j...

Output



```
3 import java.util.*;
4 class Main {
5     public static void main(String[]
6         args) {
7     Scanner sc = new Scanner
8         (System.in);
9     System.out.println("Enter two
10    numbers p and q.(p < q)");
11    int p =
12    sc.nextInt();
13    int q = sc.nextInt(); if(
14    p < q){
15    System.out.print("Buzz numbers between
16        "+p+" and "+q+" are"+": ");
17    for
18        (int i =
19        p+1; i < q;i++){
20        if(i % 7 == 0 || i % 10 == 7){
21            System.out.print(i+", ");
22        }
23    }else{
24        System.out.println("Invalid input. \n
25            Try again.");
26    }
27 }
```

Run





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Main.j...

Output



Enter two numbers p and q.(p < q)

32

56

Buzz numbers between 32 and 56 are : 35, 37,
42, 47, 49,

==== Code Execution Successful ===





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Main.j...

Output



```
1 // Online Java Compiler
2 // Use this editor to write, compile
   and run your Java code online
3 import java.util.*;
4 class Main {
5     public static void main(String[]
        args) {
6         Scanner sc = new Scanner
           (System.in);
7         System.out.println("Enter a
           number"); int
8         num = sc.nextInt();
9         int count = 0;
10        String ore;
11        while(num >0){
12            count++;
13            num /=10;
14        }
15        if(count % 2 == 0){
16            ore = "Number contains even number of
               digits";
17        }else{
18            ore = "Number contains odd number of
               digits";
19        }
20    }
21 }
```

Run





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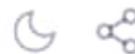
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Main.j...

Output



```
        (System.in);
7     System.out.println("Enter a
           number"); int
8 num = sc.nextInt();
9 int count = 0;
10 String ore;
11 while(num >0){
12 count++;
13 num /=10;
14 }
15 if(count % 2 == 0){
16 ore = "Number contains even number of
           digits";
17 }else{
18 ore = "Number contains odd number of
           digits.";
19 }
20 System.out.println("Number of digits =
           "+count);
21 System.out.println(ore);|
22     }
23 }
```

Run





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Main.j...

Output



Enter a number

5

Number of digits = 1

Number contains odd number of digits.

==== Code Execution Successful ===





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Main.j...

Output



and run your Java code online

```
3 * import java.util.*;  
4 * class Main {  
5 *     public static void main(String[]  
       args) {  
6 *         Scanner sc = new Scanner  
          (System.in);  
7 *         System.out.println("Enter a  
           number"); int  
8 *         num = sc.nextInt();  
9 *         int rev = 0, dup = num;  
10 *        while(dup > 0){  
11 *            int d = dup % 10;  
12 *            rev = rev*10 + d;  
13 *            dup = dup/10; }  
14 *            int dif = Math.abs(num - rev);  
15 *            System.out.println("Reversed number :  
              "+rev);  
16 *            System.out.println("Absolute differnce  
              is "+dif);|  
17 *        }  
18 }
```

Run





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Main.j...

Output



Enter a number

4567

Reversed number : 7654

Absolute difference is 3087

==== Code Execution Successful ===



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Main.j...

Output



```
1 // Online Java Compiler
2 // Use this editor to write, compile
   and run your Java code online
3 import java.util.*;
4 class Main {
5     public static void main(String[]
        args) {
6         Scanner sc = new Scanner
           (System.in);
7         System.out.println("Enter 1 to
           display all prime numbers
           between 1 and 100");
8         System.out.println("Enter 2 to display
           all non-prime numbers between 1
           and 100");
9         int num = sc.nextInt();
10        switch(num){
11            case 1 :
12                System.out.println("Prime numbers
                   between 1 and 100 : ");
13            for(int i=2;i<=100;i++){
14                boolean isPrime = true;
15                for(int j=2;j<i;j++)
16                    if(i%j==0)
17                        isPrime = false;
18                if(isPrime)
19                    System.out.print(i+" ");
20            }
21        }
22    }
23 }
```

Run



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Main.j...

Output



```
13 - for(int i=2;i<=100;i++){  
14   boolean isPrime = true;  
15 - for(int j = 2;j <= i/2;j++){  
16 - if(i % j == 0){  
17   isPrime = false;  
18   break;  
19 }  
20 }  
21 if (isPrime)  
22 System.out.println(i);  
23 }  
24 break;  
25 case 2 :  
26 -     System.out.println("Non-Prime  
numbers between 1 and 100 : "  
); for(int  
27 - i=2;i<=100;i++){  
28   boolean isPrime = true;  
29 - for(int j = 2;j <= i/2;j++){  
30 - if(i % j == 0){  
31   isPrime = false;  
32   break;  
33 }
```

Run





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Main.j...

Output



```
25 case 2 :  
26     System.out.println("Non-Prime  
numbers between 1 and 100 : "  
); for(int  
27 i=2;i<=100;i++){  
28 boolean isPrime = true;  
29 for(int j = 2;j <= i/2;j++){  
30 if(i % j == 0){  
31 isPrime = false;  
32 break;  
33 }  
34 }  
35 if (!isPrime)  
36 System.out.println(i);  
37 }  
38 break;  
39 default :  
40 System.out.println("Invalid  
Input!!!\nTry again.");  
41 }  
42 }  
43 }
```

Run





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Main.j...

Output



Enter 1 to display all prime numbers between
1 and 100

Enter 2 to display all non-prime numbers
between 1 and 100

1

Prime numbers between 1 and 100 :

2

3

5

7

11

13

17

19

23

29

31

37

41

43

47

53

59





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Main.j...

Output



13
17
19
23
29
31
37
41
43
47
53
59
61
67
71
73
79
83
89
97

==== Code Execution Successful ===|

