

EditPlus - [F:\pre-programing\corejavaprogram\Practies.java]

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Directory Cliptext Functions

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- pre-programing
- corejavaprogram

Program2.java

Program3.java

Program4.java

Program5.java

Program6.java

Program7.java

Program8.java

Program9.java

ReadProgram.java

Relational\_LogicalOperator.java

ReverseNumber.java

Sample.java

SpyNumber.java

StrongNumber.java

SwitchProgram.java

SwitchProgramScanner.java

WhileLoop1.java

WhileLoop2.java

WhileLoop3.java

Java (\*.java)

```
62 System.out.println();
63 }
64
65 }
66 public static void m1()
67 {
68     for(int i=1;i<=5;i++)
69     {
70         for(int j=1;j<=5;j++)
71         {
72             if(j==1 || i==5 || i==j)
73             {
74                 System.out.print("*");
75             }
76             else
77             {
78                 System.out.print(" ");
79             }
80         }
81         System.out.println();
82     }
83
84 }
85 }
86 }
```

Untitled1.java Practies.java SwitchProgram.java

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SwitchProgram.java  
SwitchProgramScanner.java  
WhileLoop1.java  
WhileLoop2.java  
WhileLoop3.java

Java (\*.java)

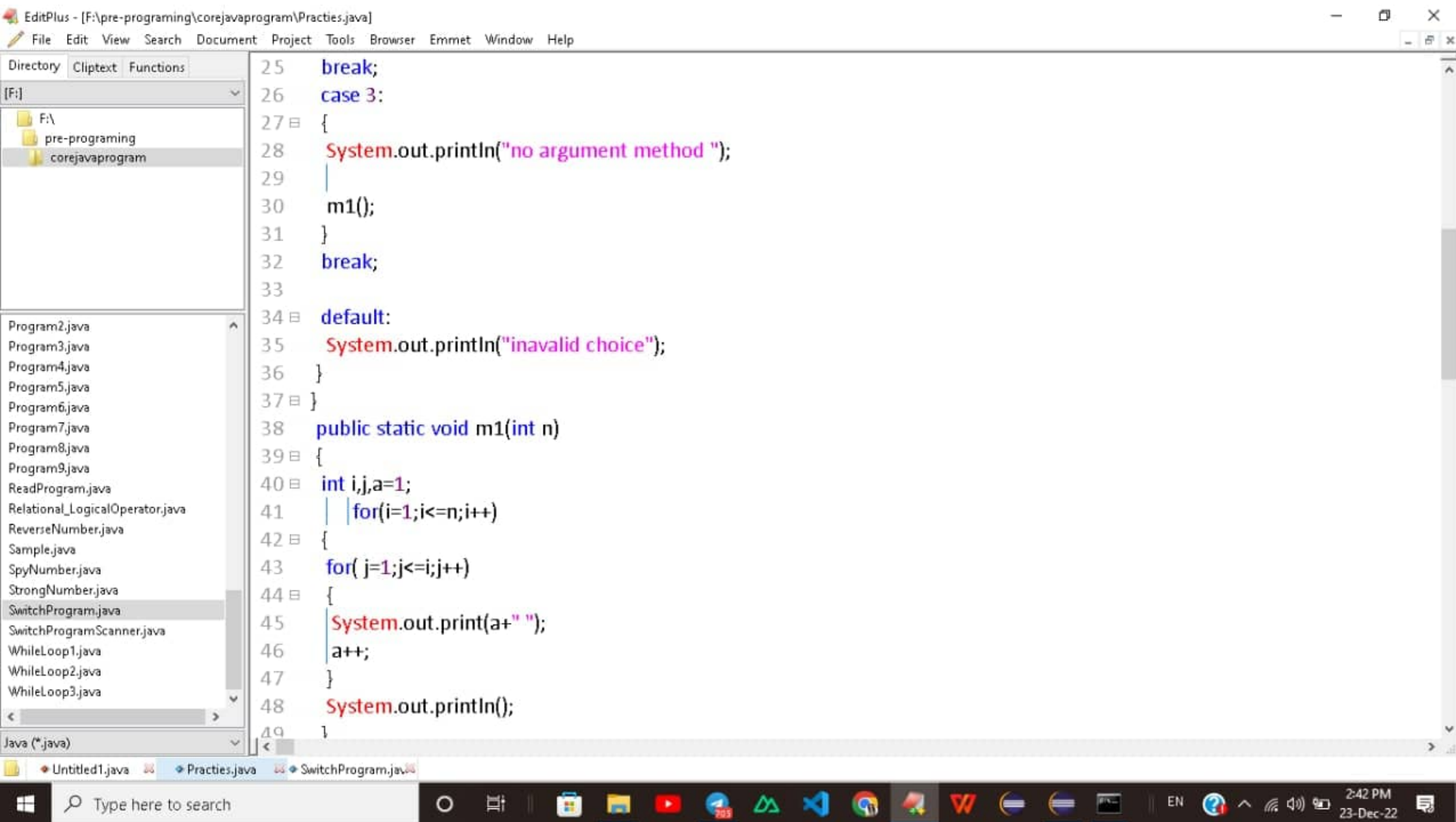
```
47 }  
48 System.out.println();  
49 }  
50  
51 }  
52 public static void m1(char ch)  
53 {  
54  
55     for(int i=1;i<=5;i++)  
56 {  
57     for(int j=1;j<=i;j++)  
58 {  
59     System.out.print(ch+" ");  
60     ch++;  
61     }  
62     System.out.println();  
63     }  
64  
65 }  
66 public static void m1()  
67 {  
68     for(int i=1;i<=5;i++)  
69 {  
70     for(int j=1;j<=5;j++)  
71 {
```

Untitled1.java Practies.java SwitchProgram.java

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ReadProgram.java  
Relational\_LogicalOperator.java  
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Sample.java  
SpyNumber.java  
StrongNumber.java  
SwitchProgram.java  
SwitchProgramScanner.java  
WhileLoop1.java  
WhileLoop2.java  
WhileLoop3.java

Java (\*.java)

```
1 import java.util.Scanner;  
2  
3 class Practies  
4 {  
5     public static void main(String[] args)  
6     {  
7         Scanner sc=new Scanner(System.in);  
8         System.out.println("Enter the choice like 1,2,3");  
9         int choice=sc.nextInt();  
10        switch(choice)  
11        {  
12            | | case 1:  
13            {  
14                System.out.println("Enter the how many row no of row you want ");  
15                int n=sc.nextInt();  
16                m1(n);  
17            }  
18            break;  
19            case 2:  
20            {  
21                System.out.println("Enter the character you want to start the alphabet pattern like 'a','b'");  
22                char ch=sc.next().charAt(0);  
23                m1(ch);  
24            }  
25            break;
```

Untitled1.java Practies.java SwitchProgram.java

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23-Dec-22



Package Explorer

preprogramming  
JRE System Library [JavaSE-17]  
src  
mathclass  
Program1.java  
Sample

Program1.java

```
1 package mathclass;
2
3 public class Program1 {
4     public static void main(String[] args) {
5         System.out.println(Math.random()); // 0 to 1 in double form
6         System.out.println(Math.random());
7
8         System.out.println("random number between 20 to 0");
9         for(int i=1 ;i<=10;i++)
10        {
11            int randome=(int)(Math.random()*20);
12            System.out.print(randome+" ");
13        }
14    }
15
16 }
17
```

Console

&lt;terminated&gt; Program1 [Java Application] C:\Program Files\Java\jdk-18.0.1\bin\javaw.exe (Dec 23, 2022, 2:32:51 PM – 2:32:51 PM)

0.27772736046811863

0.9042179477969784

random number between 20 to 0

2 8 5 5 9 0 7 13 4 3

Writable

Smart Insert

11:48:320

188M of 312M

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Package Explorer

preprogramming  
JRE System Library [JavaSE-17]  
src  
mathclass  
Program1.java  
Sample

```
1 package mathclass;  
2  
3 public class Program1 {  
4     public static void main(String[] args) {  
5         System.out.println(Math.random());  
6         System.out.println(Math.random());  
7         int ub=30;  
8         int lb=10;  
9         int range=(ub-lb)+1;  
10        System.out.println("random number between 30 to 10");  
11        for(int i=1;i<=10;i++)  
12        {  
13            int randome=(int)(Math.random()*range)+lb;  
14            System.out.print(randome+" ");  
15        }  
16    }  
17
```

Console

&lt;terminated&gt; Program1 [Java Application] C:\Program Files\Java\jdk-18.0.1.1\bin\javaw.exe (Dec 23, 2022, 2:27:37 PM – 2:27:37 PM)

0.16176565142708765

0.048321113987374265

random number between 30 to 10

18 10 14 30 15 24 21 12 13 15

135M of 256M

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corejavaprogramIncrementDecrementOperator.java  
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NestedLoopFor2.java  
NivenNumber.java  
Palindrome.java  
Pattern1.java  
Pattern3.java  
PerfectNumber.java

Java (\*.java)

```
27 case 3:{  
28     System.out.println("Enter a side and height");  
29     int side=sc.nextInt();  
30     int height=sc.nextInt();  
31     area(side,height);  
32 }  
33 break;  
34 default:  
35     System.out.println("Invaild case you selected");  
36  
37 }  
38 }  
39 public static void area(int a,int b)  
40 {  
41     int ar=a*b;  
42     System.out.println("Area of Parallelogram "+ar);  
43 }  
44 public static void area(double l,double b)  
45 {  
46     double ar=1/2*l*b;  
47     System.out.println("Area of rhombus "+ar);  
48 }  
49 public static void area(int l,int d)  
50 {  
51     int ar=1/2*l*d;  
52     System.out.println("Area of trapezium "+ar);  
53 }  
54 }
```

Assignment FactorialRan ForLoop.jav IfElseIfStater IfElseStatem NestedLoop Conditional Conditional DoWhileLoo NeonNumb Method2.jav MethodOve MethodOve Sample.java MethodOve

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EditPlus - [F:\pre-programing\corejavaprogram\MethodOverloadingSwitchCase2.java]

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NestedLoopFor2.java  
NivenNumber.java  
Palindrome.java  
Pattern1.java  
Pattern3.java  
PerfectNumber.java

Java (\*.java)

```
1 import java.util.Scanner;  
2 class MethodOverloadingSwitchCase2  
3 {  
4     public static void main(String[] args)  
5     {  
6         Scanner sc=new Scanner(System.in);  
7         System.out.println("Enter your case(1,2,3)");  
8  
9         int choice=sc.next().charAt(0);  
10        switch (choice)  
11        {  
12            case 1:{  
13                System.out.println("Enter a base and height");  
14                int base=sc.nextInt();  
15                int height=sc.nextInt();  
16                area(base,height);  
17            }  
18            break;  
19  
20            case 2:{  
21                System.out.println("Enter a length and diagonal");  
22                double length=sc.nextDouble();  
23                double diagonal=sc.nextDouble();  
24                area(length,diagonal);  
25            }  
26            break;  
27            case 3:{  
28                System.out.println("Enter a side and height");
```

Assignment FactorialRan ForLoop.jav IfElseIfStater IfElseStatem NestedLoop Conditional Conditional DoWhileLoo NeonNumb Method2.jav MethodOve MethodOve Sample.java MethodOve

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StrongNumber.java  
SwitchProgram.java  
SwitchProgramScanner.java  
WhileLoop1.java  
WhileLoop2.java  
WhileLoop3.java

Java (\*.java)

```
25     break;
26     case 'r':{
27         System.out.println("Enter a radius");
28         double radius=sc.nextDouble();
29         area(radius);
30     }
31     break;
32     default:
33         System.out.println("Invaild case you selected");
34
35 }
36 }
37 public static void area(int s)
38 {
39     int ar=4*s;
40     System.out.println("parameter of square "+ar);
41 }
42 public static void area(double l,double b)
43 {
44     double ar=l*b;
45     System.out.println("Parameter of ractangle "+ar);
46 }
47 public static void area(double r)
48 {
49     double ar=2*3.14*r;
50     System.out.println("Parameter of circle "+ar);
51 }
52 }
```

Assignment7 FactorialRang ForLoop.java IfElseStateme IfElseStateme NestedLoop.java ConditionalOO ConditionalOO DoWhileLoop NeonNumbe Method2.java MethodOverl MethodOverl Sample.java

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SpyNumber.java  
StrongNumber.java  
SwitchProgram.java  
SwitchProgramScanner.java  
WhileLoop1.java  
WhileLoop2.java  
WhileLoop3.java

Java (\*.java)

```
1 import java.util.Scanner;  
2 class Sample  
3 {  
4     public static void main(String[] args)  
5     {  
6         Scanner sc=new Scanner(System.in);  
7         System.out.println("Enter your case(l,s,r)");  
8  
9         char choice=sc.next().charAt(0);  
10        switch (choice)  
11        {  
12            case 's':  
13                System.out.println("Enter a side");  
14                int side=sc.nextInt();  
15                area(side);  
16            }  
17            break;  
18  
19            case 'l':  
20                System.out.println("Enter a length and breadth");  
21                double length=sc.nextDouble();  
22                double breadth=sc.nextDouble();  
23                area(length,breadth);  
24            }  
25            break;  
26            case 'r':  
27                System.out.println("Enter a radius");  
28                double radius=sc.nextDouble();
```

Assignment7 FactorialRang ForLoop.java IfElseStatem IfElseStatem NestedLoop.java ConditionalO ConditionalO DoWhileLoop NeonNumbe Method2.java MethodOverl MethodOverl Sample.java

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NestedLoopFor.java  
NestedLoopFor2.java  
NivenNumber.java  
Palindrome.java  
Pattern1.java  
Pattern3.java

Java (\*.java)

```
28     double length=sc.nextDouble();
29     double breadth=sc.nextDouble();
30     area(length,breadth);
31 }
32 break;
33 default:
34     System.out.println("Invaild case you selected");
35
36 }
37 }
38 public static void area(double r)
39 {
40     double ar=3.14*r*r;
41     System.out.println("Area of circle "+ar);
42 }
43 public static void area(int s)
44 {
45     int ar=s*s;
46     System.out.println("Area of square "+ar);
47 }
48 public static void area(double l, double b)
49 {
50     double ar=l*b;
51     System.out.println("Area of rectangle "+ar);
52 }
53 }
```

Assignment7.java FactorialRang.java ForLoop.java IfElseIfStateme IfElseStatemen NestedLoop.java ConditionalOp ConditionalOp DoWhileLoop NeonNumber Method2.java MethodOverlo MethodOverlo

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NestedLoop.java  
NestedLoopDo.java  
NestedLoopFor.java  
NestedLoopFor2.java  
NivenNumber.java  
Palindrome.java  
Pattern1.java  
Pattern3.java  
Java (\*.java)

```
1 import java.util.Scanner;  
2  
3 class MethodOverloadingSwitchCase  
4 {  
5     public static void main(String[] args)  
6     {  
7         Scanner sc=new Scanner(System.in);  
8         System.out.println("Enter your case(c,s,r)");  
9  
10        char choice=sc.next().charAt(0);  
11        switch (choice)  
12        {  
13            case 'c':  
14                System.out.println("Enter a radius");  
15                double side=sc.nextDouble();  
16                area(side);  
17            }  
18            break;  
19  
20            case 's':  
21                System.out.println("Enter a side");  
22                int side=sc.nextInt();  
23                area(side);  
24            }  
25            break;  
26            case 'r':  
27                System.out.println("Enter a length and breadth");  
28                double length=sc.nextDouble();
```

Assignment7.java FactorialRang.java ForLoop.java IfElseStatement.java IfElseStatement.java NestedLoop.java ConditionalOp.java ConditionalOp.java DoWhileLoop.java NeonNumber.java Method2.java MethodOverloading.java MethodOverloading.java

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IFElseStatement1.java  
IFElseStatement.java  
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NestedLoopFor2.java  
NivenNumber.java  
Palindrome.java  
Pattern1.java  
Pattern3.java  
PerfectNumber.java  
PrimeNumbers.java

Java (\*.java)

```
1 import java.util.Scanner;
2 class Assignment7
3 {
4     public static void main(String[] args)
5     {
6         Scanner sc=new Scanner(System.in);
7         System.out.println("Enter an interger number and a char value");
8         int a=sc.nextInt();
9         char ch=sc.next().charAt(0);
10        calculate(a,ch);
11        System.out.println("Enter two interger number and a char value");
12        int a1=sc.nextInt();
13        int b=sc.nextInt();
14        char ch2=sc.next().charAt(0);
15        calculate(a1,b,ch2);
16    }
17    public static void calculate(int n,char ch)
18    {
19        if (ch=='s')
20        {
21            if(n%7==0)
22                System.out.println(n+"is divisible by 7");
23            else
24                System.out.println(n+"is not divisible by 7");
25        }
26        else
27        {
28            if(n%10==7)
29                System.out.println("In "+n+" last digit is 7");
30            else
31                System.out.println("In "+n+" last digit is not 7");
32        }
33    }
34    public static void calculate(int n,int m, char ch)
35    {
36        if (ch=='s')
37            System.out.println(n>m? n+" is the greatest ": m+" is the greatest");
38        else
39            System.out.println(n<m? n+" is the greatest ": m+" is the smallest");
40    }
41 }
```

Assignment7.java FactorialRang.java ForLoop.java IFElseStatement.java IFElseStatement.java NestedLoop.java ConditionalOperat ConditionalOperat DoWhileLoop.java NeonNumber.java Method2.java

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Palindrome.java  
Pattern1.java  
Pattern3.java  
PerfectNumber.java  
PrimeNumbers.java  
Program1.java  
Program10.java  
Program11.java  
Java (\*.java)

```
64  
65 public static void main(String[] args)  
66 {  
67     System.out.println(test1(12));  
68     System.out.println(test2(4,17));  
69     System.out.println(test3('f', 'e'));  
70 }  
71 public static int test3(char c1, char c2)  
72 {  
73     return c1+c2;  
74 }  
75 public static int test2(int a,int b)  
76 {  
77     while (a==b)  
78 {  
79         if(a>b)  
80             a=a-b;  
81         else  
82             a=b-a;  
83     }  
84     return a+b;  
85 }  
86 public static int test1(int n)  
87 {  
88     int x;  
89     for (x=1;x<=n;x++)  
90     {  
91         if (n%x==0)  
92             continue;  
93     }  
94     return x;  
95 }  
96 }  
97  
98  
99
```

```
C:\Windows\System32\cmd.exe  
45.98  
47 56.12  
91.f e  
  
F:\pre-programing\corejavaprogram>javac Method2.java  
  
F:\pre-programing\corejavaprogram>java Method2  
13  
21  
203  
  
F:\pre-programing\corejavaprogram>
```

Method1.java Method2.java Method3.java MethodOverloadir

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corejavaprogram  
FibonacciSeries.java  
ForLoop.java  
IfElseStatement.java  
IfElseStatement1.java  
IfElseStatement.java  
IfStatement.java  
IncrementDecrement  
LeapYear.java  
Method1.java  
Method2.java  
NeonNumber.java  
Nested loop.java  
NestedLoop.java  
NestedLoopDo.java  
NestedLoopFor.java  
NestedLoopFor2.java  
NivenNumber.java  
Palindrome.java  
Pattern1.java  
Java (\*.java)

```
1 class MethodOverloading
2 {
3     public static void m1()
4     {
5         System.out.println("no arg m1()");
6     }
7     public static void m1(int i)
8     {
9         System.out.println(i);
10    }
11    public static void m1(float f)
12    {
13        System.out.println(f);
14    }
15    public static void m1(int i, float f)
16    {
17        System.out.println(i+" "+f);
18    }
19    public static void m1(float f, int i)
20    {
21        System.out.println(f+" "+i);
22    }
23    public static void main(String[] demo)
24    {
25        m1();
26        m1(30);
27        m1(45.98f);
28        m1(47,56.12f);
29        m1(91f,34);
30    }
```

C:\Windows\System32\cmd.exe  
F:\pre-programing\corejavaprogram>java MethodOverloading  
no arg m1()  
30  
45.98  
47 56.12  
91.0 34  
F:\pre-programing\corejavaprogram>

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IfElseStatement1.java  
IfElseStatement.java  
IfStatement.java  
IncrementDecrement  
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NestedLoop.java  
NestedLoopDo.java  
NestedLoopFor.java  
NestedLoopFor2.java  
NivenNumber.java  
Palindrome.java  
Pattern1.java

Java (\*.java)

```
22 public static void main(String[] demo)
23 {
24     System.out.println("hello world");
25 }
26 }
27 }
```

C:\Windows\System32\cmd.exe

```
F:\pre-programing\corejavaprogram> javac Method3.java
F:\pre-programing\corejavaprogram> java Method3
hello world
F:\pre-programing\corejavaprogram>
```

Method1.java Method2.java Method3.java

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```
13 //}
14
15 public static void main()
16 {
17     System.out.println("hello world");
18
19 }
20 }
```

FibonacciSeries.java  
ForLoop.java  
IfElseStatement.java  
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IfElseStatement.java  
IfStatement.java  
IncrementDecrement  
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NivenNumber.java  
Palindrome.java  
Pattern1.java

Java (\*.java)

Method1.java Method2.java Method3.java

C:\Windows\System32\cmd.exe

```
1 error
F:\pre-programing\corejavaprogram>javac Method3.java
F:\pre-programing\corejavaprogram>java Method3
Error: Main method not found in class Method3, please define the main
method as:
    public static void main(String[] args)
or a JavaFX application class must extend javafx.application.Applicati
on
F:\pre-programing\corejavaprogram>
```

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Directory Clipse

[F:]

F:\  
pre-programing  
corejavaprogramFibonacciSeries.java  
ForLoop.java  
IfElseStatement.java  
IfElseStatement1.java  
IfElseStatement.java  
IfStatement.java  
IncrementDecrement  
LeapYear.java  
Method1.java  
Method2.java  
NeonNumber.java  
Nested loop.java  
NestedLoop.java  
NestedLoopDo.java  
NestedLoopFor.java  
NestedLoopFor2.java  
NivenNumber.java  
Palindrome.java  
Pattern1.java

Java (\*.java)

```
1 class Method3
2 {
3     public static void main(String[] args)
4     {
5         System.out.println("main()");
6         m1();//calling the m1();
7     }
8     public static void m1()
9     {
10        System.out.println("m1()");
11        main(null);//calling the main method;
12    }
13 }
14
```

Method1.java Method2.java Method3.java

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Directory Cliptext Functions

[F:]

F:\  
pre-programing  
corejavaprogram

FactorialRang.java  
FibonacciSeries.java  
ForLoop.java  
IfElseIfStatement.java  
IfElseIfStatement1.java  
IfElseStatement.java  
IfStatement.java  
IncrementDecrementOperator.java  
LeapYear.java  
Method1.java  
NeonNumber.java  
Nested loop.java  
NestedLoop.java  
NestedLoopDo.java  
NestedLoopFor.java  
NestedLoopFor2.java  
NivenNumber.java  
Palindrome.java  
Pattern1.java

Method2.java

Java (\*.java)

```
64  
65 public static void main(String[] args)  
66 {  
67     System.out.println(test1(12));  
68     test2(4,17);  
69     System.out.println(test3('f', 'e'));  
70 }  
71 public static int test3(char c1, char c2)  
72 {  
73     return c1+c2;  
74 }  
75 public static void test2(int a,int b)  
76 {  
77     while (a==b)  
78     {  
79         if(a>b)  
80             a=a-b;  
81         else  
82             a=b-a;  
83     }  
84     System.out.println(a);  
85 }  
86 public static int test1(int n)  
87 {  
88     int x;  
89     for (x=1;x<=n;x++)  
90     {  
91         if (n%x==0)  
92             continue;  
93     }  
94     return x;  
95 }  
96 }  
97
```

C:\Windows\System32\cmd.exe

F:\pre-programing\corejavaprogram> javac Method2.java

F:\pre-programing\corejavaprogram> java Method2

13

4

203

F:\pre-programing\corejavaprogram>

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramSc.java NestedLoopFor2.java ReadProgram.java Method1.java Method2.java

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Directory Cliptext Functions

[F:]

- F:\
- pre-programing
- corejavaprogram

FactorialRang.java  
FibonacciSeries.java  
ForLoop.java  
IfElseIfStatement.java  
IfElseIfStatement1.java  
IfElseStatement.java  
IfStatement.java  
IncrementDecrementOperator.java  
LeapYear.java  
Method1.java  
NeonNumber.java  
Nested loop.java  
NestedLoop.java  
NestedLoopDo.java  
NestedLoopFor.java  
NestedLoopFor2.java  
NivenNumber.java  
Palindrome.java  
Pattern1.java

Java (\*.java)

```
35
36 public static void main(String[] args)
37 {
38     System.out.println(test1(12));
39     test2(4,17);
40 }
41 public static void test2(int a,int b)//4,17
42 {
43     while (a==b)//4==17f /
44     {
45         if(a>b)
46         | a=a-b;
47         else
48         | a=b-a;
49     }
50     System.out.println(a);//4
51 }
52 public static int test1(int n)//12
53 {
54     int x;
55     for (x=1;x<=n ;x++ )
56     {
57         if (n%x==0)
58         | continue;
59     }
60     | return x;//13
61 }
62 }
```

C:\Windows\System32\cmd.exe

```
F:\pre-programing\corejavaprogram> javac Method2.java
F:\pre-programing\corejavaprogram> java Method2
13
4
F:\pre-programing\corejavaprogram>
```

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramSc2.java NestedLoopFor2.java ReadProgram.java Method1.java Method2.java

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Directory Cliptext Functions

[F:]

F:\pre-programing\corejavaprogram

FactorialRang.java  
FibonacciSeries.java  
ForLoop.java  
IfElseIfStatement.java  
IfElseIfStatement1.java  
IfElseStatement.java  
IfStatement.java  
IncrementDecrementOperator.java  
LeapYear.java  
Method1.java  
NeonNumber.java  
Nested loop.java  
NestedLoop.java  
NestedLoopDo.java  
NestedLoopFor.java  
NestedLoopFor2.java  
NivenNumber.java  
Palindrome.java  
Pattern1.java

Java (\*.java)

```
1 class Method2
2 {
3     public static void main(String[] args)
4     {
5         System.out.println(test1(12));
6     }
7     public static int test1(int n)//12
8     {
9         int x;
10        for (x=1;x<=n ;x++ )//1<=12t
11        {
12            if (n%x==0)//12%==0t
13                break;//break of loop
14        }
15        return x;
16    }
17 }
18
19
```

C:\Windows\System32\cmd.exe

```
F:\pre-programing\corejavaprogram>java Method2
1
F:\pre-programing\corejavaprogram>
```

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramScz.java NestedLoopFor2.java ReadProgram.java Method1.java Method2.java

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Directory Cliptext Functions

[F:]

- F:\
- pre-programing
- corejavaprogram

Method1.java

```
109 public static double demo(int a)
110 {
111     int b=20;
112     if(a<0)
113         return a;
114     else
115         return b;
116 }
117 public static void main(String[] args)
118 {
119     System.out.println("Hello world!");
120     int b=129;
121
122     System.out.println(demo(b));
123     int c=79;
124
125     System.out.println(demo(c));
126 }
127 }
```

C:\Windows\System32\cmd.exe

```
F:\pre-programing\corejavaprogram>javac Method1.java
F:\pre-programing\corejavaprogram>java Method1
Hello world!
20.0
20.0
F:\pre-programing\corejavaprogram>
```

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramSc.java NestedLoopFor2.java ReadProgram.java Method1.java

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Directory Cliptext Functions

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- F:\
- pre-programing
- corejavaprogram

FactorialRang.java  
FibonacciSeries.java  
ForLoop.java  
IfElseIfStatement.java  
IfElseIfStatement1.java  
IfElseStatement.java  
IfStatement.java  
IncrementDecrementOperator.java  
LeapYear.java  
Method1.java  
NeonNumber.java  
Nested loop.java  
NestedLoop.java  
NestedLoopDo.java  
NestedLoopFor.java  
NestedLoopFor2.java  
NivenNumber.java  
Palindrome.java  
Pattern1.java

Java (\*.java)

```
109 public static double demo(int a)
110 {
111     int b=20;
112     if(a<0)
113         return a;
114     else
115         return b;
116 }
117 public static void main(String[] args)
118 {
119     System.out.println("Hello world!");
120     int b=129;
121
122     System.out.println(demo(b));
123     int c=79;
124     int z=(char)demo(c);
125     System.out.println(z);
126 }
127 }
```

C:\Windows\System32\cmd.exe

```
F:\pre-programing\corejavaprogram>javac Method1.java
F:\pre-programing\corejavaprogram>java Method1
Hello world!
20.0
20
F:\pre-programing\corejavaprogram>
```

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramScz.java NestedLoopFor2.java ReadProgram.java Method1.java

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Directory Cliptext Functions

[F:]

- F:\
- pre-programing
- corejavaprogram

Program13.java  
Program14.java  
Program2.java  
Program3.java  
Program4.java  
Program5.java  
Program6.java  
Program7.java  
Program8.java  
Program9.java  
ReadProgram.java  
Relational\_LogicalOperator.java  
ReverseNumber.java  
SpyNumber.java  
StrongNumber.java  
SwitchProgram.java  
SwitchProgramScanner.java  
WhileLoop1.java  
WhileLoop2.java

Java (\*.java)

```
92 public static double demo(int a)
93 {
94     return (byte)a;
95 }
96 public static void main(String[] args)
97 {
98     System.out.println("Hello world!");
99     int b=129;
100
101     System.out.println(demo(b));
102     int c=79;
103     int z=(char)demo(c);
104     System.out.println(z);
105 }
106 }
```

C:\Windows\System32\cmd.exe

```
F:\pre-programing\corejavaprogram>java Method1
Hello world!
-127.0
79
F:\pre-programing\corejavaprogram>
```

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramScanner.java NestedLoopFor2.java ReadProgram.java Method1.java

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Directory Cliptext Functions

[F:]

F:\pre-programing\corejavaprogram

Program13.java  
Program14.java  
Program2.java  
Program3.java  
Program4.java  
Program5.java  
Program6.java  
Program7.java  
Program8.java  
Program9.java  
ReadProgram.java  
Relational\_LogicalOperator.java  
ReverseNumber.java  
SpyNumber.java  
StrongNumber.java  
SwitchProgram.java  
SwitchProgramScanner.java  
WhileLoop1.java  
WhileLoop2.java  
Java (\*.java)

```
92 public static double demo(int a)
93 {
94     return (byte)a;
95 }
96 public static void main(String[] args)
97 {
98     System.out.println("Hello world!");
99     int b=129;
100    System.out.println(demo(b));
101    int c=79;
102    int z=(int)demo(c);
103    System.out.println(z);
104 }
105 }
```

C:\Windows\System32\cmd.exe

```
F:\pre-programing\corejavaprogram>java Method1
Hello world!
68.0
79

F:\pre-programing\corejavaprogram>javac Method1.java

F:\pre-programing\corejavaprogram>java Method1
Hello world!
-127.0
79

F:\pre-programing\corejavaprogram>
```

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramScanner.java NestedLoopFor2.java ReadProgram.java Method1.java

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Directory Cliptext Functions

[F:]

F:\  
pre-programing  
corejavaprogram

Program13.java  
Program14.java  
Program2.java  
Program3.java  
Program4.java  
Program5.java  
Program6.java  
Program7.java  
Program8.java  
Program9.java  
ReadProgram.java  
Relational\_LogicalOperator.java  
ReverseNumber.java  
SpyNumber.java  
StrongNumber.java  
SwitchProgram.java  
SwitchProgramScanner.java  
WhileLoop1.java  
WhileLoop2.java  
Java (\*.java)

```
92 public static double demo(int a)
93 {
94     return (byte)a;
95 }
96 public static void main(String[] args)
97 {
98     System.out.println("Hello world!");
99     int b=68;
100    System.out.println(demo(b));
101    int c=79;
102    int z=(int)demo(c);
103    System.out.println(z);
104 }
105 }
```

C:\Windows\System32\cmd.exe

```
F:\pre-programing\corejavaprogram>java Method1
Hello world!
68.0
79
F:\pre-programing\corejavaprogram>
```

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramScanner.java NestedLoopFor2.java ReadProgram.java Method1.java

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Directory Cliptext Functions

[F:]

- F:\
- pre-programing
- corejavaprogram

Program13.java  
Program14.java  
Program2.java  
Program3.java  
Program4.java  
Program5.java  
Program6.java  
Program7.java  
Program8.java  
Program9.java  
ReadProgram.java  
Relational\_LogicalOperator.java  
ReverseNumber.java  
SpyNumber.java  
StrongNumber.java  
SwitchProgram.java  
SwitchProgramScanner.java  
WhileLoop1.java  
WhileLoop2.java

Java (\*.java)

```
77 public static byte demo(int a)
78 {
79     return (byte)a;
80 }
81 public static void main(String[] args)
82 {
83     System.out.println("Hello world!");
84     int b=68;
85     System.out.println(demo(b));
86     int c=79;
87     int z=demo(c);
88     System.out.println(z);
89 }
90 }
```

C:\Windows\System32\cmd.exe

```
F:\pre-programing\corejavaprogram>javac Method1.java
F:\pre-programing\corejavaprogram>java Method1
Hello world!
68
79
F:\pre-programing\corejavaprogram>
```

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramScanner.java NestedLoopFor2.java ReadProgram.java Method1.java

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Directory Cliptext Functions

[F:]

- F:\
- pre-programing
- corejavaprogram

Program13.java  
Program14.java  
Program2.java  
Program3.java  
Program4.java  
Program5.java  
Program6.java  
Program7.java  
Program8.java  
Program9.java  
ReadProgram.java  
Relational\_LogicalOperator.java  
ReverseNumber.java  
SpyNumber.java  
StrongNumber.java  
SwitchProgram.java  
SwitchProgramScanner.java  
WhileLoop1.java  
WhileLoop2.java

Java (\*.java)

```
62 public static int demo(int a)
63 {
64     return a;
65 }
66 public static void main(String[] args)
67 {
68     System.out.println("Hello world!");
69     int b=68;
70     System.out.println(demo(b));
71     int c=79;
72     int z=demo(c);
73     System.out.println(z);
74 }
75 }
```

C:\Windows\System32\cmd.exe

```
Caused by: java.lang.ClassNotFoundException: Method1'
F:\pre-programing\corejavaprogram>java Method1
Hello world!
68
79
F:\pre-programing\corejavaprogram>
```

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramScanner.java NestedLoopFor2.java ReadProgram.java Method1.java

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Directory Cliptext Functions

[F:]

- F:\
- pre-programing
- corejavaprogram

Program13.java  
Program14.java  
Program2.java  
Program3.java  
Program4.java  
Program5.java  
Program6.java  
Program7.java  
Program8.java  
Program9.java  
ReadProgram.java  
Relational\_LogicalOperator.java  
ReverseNumber.java  
SpyNumber.java  
StrongNumber.java  
SwitchProgram.java  
SwitchProgramScanner.java  
WhileLoop1.java  
WhileLoop2.java

Java (\*.java)

```
46  
47  
48 public static void main(String[] args)  
49 {  
50     System.out.println("Hello world!");  
51     int b=68;  
52     demo(b);  
53     System.out.println("Hello ");  
54 }  
55 public static int demo(int a)  
56 {  
57     return a;  
58 }  
59 }
```

C:\Windows\System32\cmd.exe

```
F:\pre-programing\corejavaprogram>java Method1  
Hello world!  
Hello  
  
F:\pre-programing\corejavaprogram>
```

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramScanner.java NestedLoopFor2.java ReadProgram.java Method1.java

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Directory [F:]

F:\pre-prog\corejavap

Program13.ja ^  
Program14.ja  
Program2.jav  
Program3.jav  
Program4.jav  
Program5.jav  
Program6.jav  
Program7.jav  
Program8.jav  
Program9.jav  
ReadProgram  
Relational\_Lo  
ReverseNum1  
SpyNumber.j  
StrongNumb  
SwitchProgra  
SwitchProgra  
WhileLoop1.j  
WhileLoop2.j  
Java (\*.java)

```
24
25
26 public static void main(String[] args) //paused, control is with the main method resume | | calling method/caller
27 { //parameterized method
28     System.out.println("Hello World!");
29     test();//method call statement
30     demo(23);//actual argument-->method call statement
31     byte b=68;//68
32     System.out.println(b);
33     demo(b);//D actual argument-->widening
34     System.out.println("Hello");
35 }
36 public static void test()//control is transfer here | | called method | | no
37 {
38     System.out.println("test()");
39 }
40 public static void demo(int a)//control is transfer here | | called method
41 { //local variable of demo()
42     System.out.println("demo()");
43     System.out.println(a);//68
44 }
45 }
46 }
```

Select C:\Windows\System32\cmd.exe

```
F:\pre-programing\corejavaprogram>java Method1
Hello World!
test()
demo()
23
0
demo()
68
Hello

F:\pre-programing\corejavaprogram>javac Method1.java

F:\pre-programing\corejavaprogram>java Method1
Hello World!
test()
demo()
23
68
demo()
68
Hello

F:\pre-programing\corejavaprogram>68
```

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramSc NestedLoopFor2.java ReadProgram.java Method1.java

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File Edit View Search Document Project Tools Browser Emmet Window Help

Directory [F:]

F:\pre-progr\corejavap

```
46 public static void main(String[] args) //paused, control is with the main method resume|| calling method/caller
47 { //parameterized method
48     System.out.println("Hello World!");
49     test();//method call statement
50     demo(23);//actual argument-->method call statement
51     char b=68;//b='D' ascii char->ascii code 68-->D-->b
52     System.out.println(b);
53     demo(b);//D actual argument-->widening
54     System.out.println("Hello");
55 }
56 public static void test()//control is transfer here|| called method|| no
57 {
58     System.out.println("test()");
59 }
60 public static void demo(int a)//control is transfer here|| called method
61 { //local variable of demo()
62     System.out.println("demo()");
63     System.out.println(a);//68
64 }
65 }
66 }
67 }
```

Program13.java  
Program14.java  
Program2.java  
Program3.java  
Program4.java  
Program5.java  
Program6.java  
Program7.java  
Program8.java  
Program9.java  
ReadProgram  
Relational\_Lo  
ReverseNum1  
SpyNumber.j  
StrongNumb  
SwitchProgra  
SwitchProgra  
WhileLoop1.j  
WhileLoop2.j

Java (\*.java)

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramSc NestedLoopFor2.j ReadProgram.java Method1.java

C:\Windows\System32\cmd.exe

```
F:\pre-programing\corejavaprogram>java Method1
Hello World!
test()
demo()
23
D
demo()
68
Hello
F:\pre-programing\corejavaprogram>
```

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EditPlus - [F:\pre-programing\corejavaprogram\Method1.java]

File Edit View Search Document Project Tools Browser Emmet Window Help

Directory [F:]

F:\pre-progr\corejavap

```
1 class Method1
2 {
3     public static void main(String[] args) //paused, control is with the main method resume | | calling method/caller
4     {
5         //parameterized method
6         System.out.println("Hello World!");
7         test();//method call statement
8         demo(23);//actual argument-->method call statement
9         int b=44;
10        demo(b,67);//actual argument
11        System.out.println("Hello");
12    }
13    public static void test()//control is transfer here | | called method | | no argument method
14    {
15        System.out.println("test()");
16    }
17    public static void demo(int a)//control is transfer here | | called method | | No argument method//formal argument-->method Declaration
18    {
19        //local variable of demo()
20        System.out.println("demo()");
21        System.out.println(a);
22    }
23 }
```

Program13.java  
Program14.java  
Program2.java  
Program3.java  
Program4.java  
Program5.java  
Program6.java  
Program7.java  
Program8.java  
Program9.java  
ReadProgram  
Relational\_Lo  
ReverseNum  
SpyNumber.j  
StrongNumb  
SwitchProgra  
SwitchProgra  
WhileLoop1.j  
WhileLoop2.j

Java (\*.java)

Pattern1.java CharacterPattern1.java Pattern3.java SwitchProgramSc NestedLoopFor2.java ReadProgram.java Method1.java

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