

DO-WHILE

```
/*NAME:HARSH TRIPATHI
```

```
ROLL NO:59*/
```

```
class Do {  
    public static void main(String[] args) {  
        int a = 0;  
        do {  
            a = a + 1;  
            System.out.println(a);  
        } while (a < 10);  
    }  
}
```

OUTPUT:

```
if ($?) { javac Do.java } ; if ($?) { java Do }  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
PS C:\Users\myname\Downloads\java-new-main\java-new-main\JavaFiles-main\JavaFiles-main\s-59(se)> █
```

FOR

```
/*NAME:HARSH TRIPATHI
```

```
ROLL NO:59*/
```

```
class For {  
    public static void main(String[] args) {  
        int a = 10;  
        int i;  
        for (i = 1; i <= a; i++) {  
            System.out.println(i);  
        }  
    }  
}
```

```
    }  
}  
}
```

OUTPUT

```
if ($?) { javac Do.java } ; if ($?) { java Do }  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
PS C:\Users\mynam\Downloads\java-new-main\java-new-main\JavaFiles-main\JavaFiles-main\s-59(se)> 
```

IF-FOR

```
/*NAME:HARSH TRIPATHI
```

```
ROLL NO:59*/
```

```
class IfFor {  
    public static void main(String args[]) {  
        int a = 10;  
        int b = 20;  
        int i;  
        for (i = 0; i < 5; i++) {  
            if (a == b) {  
                System.out.println("This is my first program");  
            } else {  
                System.out.println("Invalid condition");  
            }  
        }  
    }  
}
```

OUTPUT

```

if ($?) { javac IfFor.java } ; if ($?) { java IfFor }
Invalid condition
Invalid condition
Invalid condition
Invalid condition
Invalid condition
PS C:\Users\mynam\Downloads\java-new-main\java-new-main\JavaFiles-main\JavaFiles-main\s-59(se)> 

```

WHILE

```
/*NAME:HARSH TRIPATHI
```

```
ROLL NO:59*/
```

```
class While
```

```

{
    public static void main(String[] args) {
        int a = 1;
        while (a < 11) {
            System.out.println(a);
            a++;
        }
    }
}

```

OUTPUT

```

if ($?) { javac Do.java } ; if ($?) { java Do }
1
2
3
4
5
6
7
8
9
10
PS C:\Users\mynam\Downloads\java-new-main\java-new-main\JavaFiles-main\JavaFiles-main\s-59(se)> 

```

BREAK

```
/*NAME:HARSH TRIPATHI  
ROLL NO:59*/  
  
class Break {  
    public static void main(String args[]) {  
        int i;  
        for (i = 0; i < 5; i++) {  
            if (i == 3)  
                break;  
            System.out.println(i);  
        }  
    }  
}
```

OUTPUT

```
if ($?) { javac Break.java } ; if ($?) { java Break }  
0  
1  
2  
PS C:\Users\myname\Downloads\java-new-main\java-new-main\JavaFiles-main\JavaFiles-main\s-59(se)>
```

IF-ELSE

```
/*NAME:HARSH TRIPATHI  
ROLL NO:59*/  
  
class Condition {  
    public static void main(String args[]) {  
        int a = 10;  
        int b = 20;  
        if (a == b) {  
            System.out.println("This is my first program");  
        } else {  
            System.out.println("Invalid condition");  
        }  
    }  
}
```

```
}  
  
}  
  
}
```

OUTPUT

```
? ) { javac Condition.java } ; if ($?) { java Condition }  
Invalid condition  
PS C:\Users\mynam\Downloads\java-new-main\java-new-main\JavaFiles-main\JavaFiles-main\s-59(se)> 
```

CONTINUE

```
/*NAME:HARSH TRIPATHI
```

```
ROLL NO:59*/
```

```
class Continue {  
  
    public static void main(String args[]) {  
  
        int i;  
  
        for (i = 0; i < 5; i++) {  
  
            if (i == 3)  
  
                continue;  
  
            System.out.println(i);  
  
        }  
  
    }  
  
}
```

OUTPUT

```
? ) { javac Continue.java } ; if ($?) { java Continue }  
0  
1  
2  
4  
PS C:\Users\mynam\Downloads\java-new-main\java-new-main\JavaFiles-main\JavaFiles-main\s-59(se)> 
```

IF-ELSE LADDER

```
/*NAME:HARSH TRIPATHI
ROLL NO:59*/

class ifelseladder {

    public static void main(String args[]) {

        int a = 10;

        int b = 20;


        if (a == b) {

            System.out.println("a is equal to b");

        } else if (a > b) {

            System.out.println("A is greater then b");

        } else {

            System.out.println("b is greater than a");

        }

    }

}
```

OUTPUT

```
? { javac ifelseladder.java } ; if ($?) { java ifelseladder }
b is greater than a
PS C:\Users\mynam\Downloads\java-new-main\java-new-main\JavaFiles-main\JavaFiles-main\s-59(se)> 
```

NESTED-IF

```
/*NAME:HARSH TRIPATHI
ROLL NO:59*/

class Nestedif {

    public static void main(String[] args) {

        int age = 21;

        int weight = 75;
```

```

    if (age >= 18) {
        if (weight > 50) {
            System.out.println("You can donate blood");
        }
    }
    else
        System.out.println("You cannot donate blood");

}
}

```

OUTPUT

```

? { javac Nestedif.java } ; if ($?) { java Nestedif }
You can donate blood
PS C:\Users\mynam\Downloads\java-new-main\java-new-main\JavaFiles-main\JavaFiles-main\s-59(se)> 

```

SWITCH

```
/*NAME:HARSH TRIPATHI
```

```
ROLL NO:59*/
```

```

class Cases {
    public static void main(String[] args) {
        int a = 2;
        int b = 3;
        int c;
        c = b - a;

        switch (c) {
            case 1:
                System.out.println("Answer is 1");
                break;

```

case 2:

```
System.out.println("Answer is 2");
```

```
break;
```

case 3:

```
System.out.println("Answer is 3");
```

```
}
```

```
}
```

```
}
```

OUTPUT:

```
? ) { javac Cases.java } ; if ($?) { java Cases }  
Answer is 1
```