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Assignment No 3
Stage 2
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```
SN: ppet No 1
  public class Nesteelloop Output ?
      public static void main ( Stings [ ) args)
           for (ind i=1; i <= 3; i++)
                for (int j=1; <= 2; j++)
                      System.ocut.print(i+""+j+"");
                    System.out, println ();
Dry Run
     ->> output
```

run of loop

oun of loop

(faid failed to execute

print expect single

sop statement)

and for loop due to false Condition. So no data to

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Snippet 2
  public class Decrementing Loop?
      public static void main (sting [] args)
              int total=0}
               for (int i=5; i70; i--)
                   total += i)
                   if (i==3) continue;
                   total -=1)
               System. out. println (total);
 Dry Run
                   total += i
                                       total -= 1
                                 total -1
                               tetal+ i (4)
                               total -1
                                total + 1 (3)
                         + + i (2) continue of if
                                                  g 4th my
                        12. total -1
                                            11
                                     total =
           final output ->
```

```
Snippet 3
  public class WhileLoopBreak &
                public static void main ( sting string [] args)
                      int count =0;
                       While (rount 45) {
                       System.out.print (count + "");
                       Count ++!
                       if (count = = 3) break;
                      system. out. print In (count);
Day Run
   output:
                        Count
                                 - initially
                                     15t 50P
                                    count increme
                        breat the loop
        final output : -
```

```
Snippet 4
    public class Do While loop }
       quelic static void main (String () args)
             int 1 = 1 j
           do {
                System.out. print (i+" ");
                itt;
              3 While (ics);
               System.out.println(i)
Dry Run
                               1 st print
                              increment
                             and print
                             incomment
                1:4
                             4th print
                             5th point (out of the downie woop)
   final output !-
```

```
Snippet 5
  public star class Conditional Loop Output {
      public static void main ( string () args)
           int num=1;
           for ( int i= ; i <= 4; i++)
                if (iy. 2 = = 0)
                     num += i;
                  selse
                    { num-= i;
              System.out.println(num);
                d num
          num-1
         numtl
    final output =
```

```
Snippet 6
     Public class Increment Decrement !
        public static void main (string 1) args) {
          ind x=5;
          Int y = ++x - x -- + --x + x ++;
                               nithaly

++x

x --

--x

X ++

Final 'x' not in anithmetric operations

--
           System.outprintin(4);
Dry Run
                      X
                         - initialy
      final output
```

```
Snippet of
 public class Nested Increment &
     public static void main ( string ( ) quys)
           int a = lo',
           int b=5)
           in result = ++a * b-
           System. cell. printle (result);
                 9
                 10
              (++a)
               10
             (--a)
                         (b++)
```

```
Snippet 8
  public class Loop Increment ?
     public static void main (string[] args)
            count = 0;
         for (inti=0; i(4; i++){
          (out += i++ - ++1)
          System.out. println ((ount))
Dry Run !-
             Conto
              (out = -2
              for j= 1
             -4 += 2-4
             -6 = cout
                             3 4th
             -6+=3-5
   final output = 'Court
```